AD-A009 735

THE AERODYNAMIC CHARACTERISTICS OF WRAP-AROUND FINS, INCLUDING FOLD ANGLE AT MACH NUMBERS FROM 0.5 TO 1.3

C. W. Dahlke, et al

Chrysler Corporation

Prepared for:

Army Missile Research, Development and Engineering Laboratory

20 December 1974

DISTRIBUTED BY:

NTIS

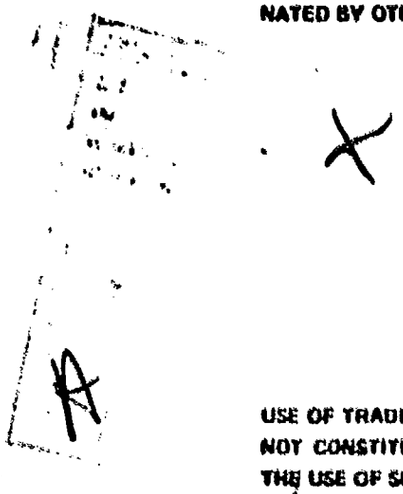
National Technical Information Service
U. S. DEPARTMENT OF COMMERCE

DISPOSITION INSTRUCTIONS

DESTROY THIS REPORT WHEN IT IS NO LONGER NEEDED. DO NOT RETURN IT TO THE ORIGINATOR.

DISCLAIMER

THE FINDINGS IN THIS REPORT ARE NOT TO BE CONSTRUED AS AN OFFICIAL DEPARTMENT OF THE ARMY POSITION UNLESS SO DESIGNATED BY OTHER AUTHORIZED DOCUMENTS.



TRADE NAMES

USE OF TRADE NAMES OR MANUFACTURERS IN THIS REPORT DOES NOT CONSTITUTE AN OFFICIAL INDORSEMENT OR APPROVAL OF THE USE OF SUCH COMMERCIAL HARDWARE OR SOFTWARE.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

1. REPORT NUMBER: TR-RD-75-19	2. GOVT ACCESSION NO.
3. RECIPIENT'S CATALOG NUMBER: AD-A009735	
4. TITLE (and Subtitle): THE AERODYNAMIC CHARACTERISTICS OF WRAP-AROUND FINS, INCLUDING FOLD ANGLE AT MACH NUMBERS FROM 0.5 TO 1.3	5. TYPE OF REPORT & PERIOD COVERED: TECHNICAL REPORT
	6. PERFORMING ORG. REPORT NUMBER: DMS-AR-1024
7. AUTHOR(s): C. W. DAHLKE, L. D. FLOWERS	8. CONTRACT OR GRANT NUMBER(s): DAAH03-74-C-0405
9. PERFORMING ORGANIZATION NAME AND ADDRESS: Chrysler Corporation Space Division, Data Management Services, P. O. Box 29200, New Orleans, La. 70189	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS: DA Project No.1M262303A214, AMC MS Code No.632303.11.21405
11. CONTROLLING OFFICE NAME AND ADDRESS: Commander, U. S. Army Missile Command, Attn: AMSMI-RD, Redstone Arsenal, Alabama 35809	12. REPORT DATE: 20 December 1974
	13. NUMBER OF PAGES
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)	15. SECURITY CLASS. (of this report): UNCLASSIFIED
	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

Reproduced by
NATIONAL TECHNICAL
INFORMATION SERVICE
US Department of Commerce
Springfield, VA. 22151

18. SUPPLEMENTARY NOTES

Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

WRAP-AROUND FINS
MISSILE ROLLING MOMENT COEFFICIENT
FIN OPENING ANGLE
SWEPT LEADING EDGE

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

An experimental investigation was conducted in the Arnold Engineering Development Center's Propulsion Wind Tunnel 4-foot transonic test section to study the aerodynamic characteristics of wrap-around fins. Wrap-around fins with leading edge sweep angle on straight and step down bodies were tested. One unswept fin was tested simulating various opening angles from 10 degrees beyond fully open to a folding angle of 112.5 degrees. Force and moment data were obtained at Mach numbers from 0.5 to 1.3 at angles of attack up to 14 degrees and roll angles from 0 to 67.5 degrees. The complete results of this test are presented in plotted form for the main balance and all four fin balances.

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

TABLE OF CONTENTS

	PAGE
INDEX OF MODEL FIGURES	2
INDEX OF TABLES	2
INDEX OF DATA FIGURES	3
INTRODUCTION	7
APPARATUS	8
DATA ACCURACY	11
REDUCTION OF DATA	12
DATA PRESENTATION	13
REFERENCES	15
NOMENCLATURE	16
FIGURES	19
TABLES	24
PLOTTED DATA	29

INDEX OF MODEL FIGURES

FIGURE	DESCRIPTION	PAGE
1	Sign Convention	19
2	External Body Geometry	20
3	WAF Geometry	21
4a	Model Installation Photograph, B1F1, $\theta = 45°$, $\phi = 0°$	22
4b	Model Installation Photograph, B1F1, $\theta = 90°$, $\phi = 0°$	23

INDEX OF TABLES

TABLE	DESCRIPTION	PAGE
I	Data Set/Run Number Collation	24
II	Fin Configuration Summary	27
III	Data Precision	28

INDEX OF DATA FIGURES

TITLE	CONDITIONS VARYING	PLOTTED COEFFICIENTS SCHEDULE	PAGE
Aerodynamic Stability Coefficients- Body Alone	MACH	(A)	1-9
Aerodynamic Stability Coefficients- CR/D = 1.75, LAMBDA = 0.0, THETA = 0.0	MACH	(A)	10-12
Aerodynamic Stability Coefficients- Step Down Body, CR/D = 1.75, THETA = 0.0	MACH PHI	(A)	13-18
Aerodynamic Stability Coefficients- CR/D = 1.75, LAMBDA = 46.9	MACH PHI	(A)	19-24
Aerodynamic Stability Coefficients- CR/D = 1.75, LAMBDA = 60.0	MACH PHI	(A)	25-36
Aerodynamic Stability Coefficients- CR/D = 1.00, LAMBDA = 46.9	MACH PHI	(A)	37-48
Aerodynamic Stability Coefficients- CR/D = 1.00, LAMBDA = 57.3	MACH PHI	(A)	49-60
Aerodynamic Stability Coefficients- CR/D = 1.75, THETA = -10.0	MACH PHI	(A)	61-72
Aerodynamic Stability Coefficients- CR/D = 1.75, THETA = 22.5	MACH PHI	(A)	73-96
Aerodynamic Stability Coefficients- CR/D = 1.75, THETA = 45.0	MACH PHI	(A)	97-120
Aerodynamic Stability Coefficients- CR/D = 1.75, THETA = 90.0	MACH PHI	(A)	121-132
Aerodynamic Stability Coefficients- CR/D = 1.75, THETA = 112.5	MACH PHI	(A)	133-144
Effect of Reynolds Number - Body Alone Aerodynamic Stability	PT	(B)	145-146

INDEX OF DATA FIGURES (Continued)

TITLE	CONDITIONS VARYING	PLOTTED COEFFICIENTS SCHEDULE	PAGE
Effect of Step Down Body, THETA = 0.0	Configuration	(B)	147-148
Effect of Roll on Aerodynamic Coefficients, CR/D = 1.75, LAMBDA = 46.9 Degrees	PHI	(B)	149-150
Effect of Roll on Aerodynamic Coefficients, CR/D = 1.75, LAMBDA = 60.0 Degrees	PHI	(B)	151-152
Effect of Roll on Aerodynamic Coefficients, CR/D = 1.00, LAMBDA = 46.9 Degrees	PHI	(B)	153-154
Effects of Roll on Aerodynamic Coefficients, CR/D = 1.0, LAMBDA = 57.3 Degrees	PHI	(B)	155-156
Effects of Roll on Aerodynamic Coefficients, CR/D = 1.75, Step Down Body	PHI	(B)	157-158
Effects of Roll on Aerodynamic Coefficients, CR/D = 1.75, THETA = -10 Degrees	PHI	(B)	159-160
Effects of Roll on Aerodynamic Coefficients, CR/D = 1.75, THETA = 22.5 Degrees	PHI	(B)	161-162
Effects of Roll on Aerodynamic Coefficients, CR/D = 1.75, THETA = 45.0 Degrees	PHI	(B)	163-164
Effects of Roll on Aerodynamic Coefficients, CR/D = 1.75, THETA = 90.0 Degrees	PHI	(B)	165-166
Effects of Roll on Aerodynamic Coefficients, CR/D = 1.75, THETA = 112.5 Degrees	PHI	(B)	167-168

INDEX OF DATA FIGURES (Continued)

TITLE	CONDITIONS VARYING	PLOTTED COEFFICIENTS SCHEDULE	PAGE
Fin Effectiveness versus Opening Angle and Mach Number	MACH PHI	(C) (D)	169-172 173-181
Fin Normal Force and Moment Coefficients	MACH FIN NO.	(E)	182-183
Fin Normal Force and Moment Coefficients, Step Down Body	MACH FIN NO. PHI	(E)	184-189
Fin Normal Force and Moment Coefficients, 46.9 Degree Leading Edge Sweep	MACH FIN NO. PHI	(E)	190-195
Fin Normal Force and Moment Coefficients, 60.0 Degrees Leading Edge Sweep	MACH FIN NO. PHI	(E)	196-207
Fin Normal Force and Moment Coefficients, 46.9 Degrees, Leading Edge Sweep	MACH FIN NO. PHI	(E)	208-219
Fin Normal Force and Moment Coefficients, 57.3 Degree Leading Edge Sweep	MACH FIN NO. PHI	(E)	220-231
Fin Normal Force and Hinge Moment Coefficient at THETA =-10.0 Degrees	MACH FIN NO. PHI	(F)	232-247
Fin Normal Force and Hinge Moment Coefficient at THETA = 22.5 Degrees	MACH FIN NO. PHI	(F)	248-279
Fin Normal Force and Hinge Moment Coefficient at THETA = 45.0 Degrees	MACH FIN NO. PHI	(F)	280-311
Effect of Opening Angle on Fin Root Bending Moment	THETA MACH FIN NO. PHI	(G)	312-471

INDEX OF DATA FIGURES (Concluded)

TITLE	CONDITIONS VARYING	PLOTTED COEFFICIENTS SCHEDULE	PAGE
Effect of Mach Number on Fin Characteristics	FIN NO.	(H)	472
Effect of Mach Number on Fin Characteristics, Step Down Body	FIN NO. PHI	(H)	473-474
Effect of Step Down Body on Fin Characteristics	FIN NO. Configu-ration	(H)	475-476
Effect of Mach Number on Fin Characteristics	FIN NO. PHI Configu-ration	(H)	477-484

PLOTTED COEFFICIENTS SCHEDULE

(A) CN, CLM, CAF, CBL, CY, CYN VERSUS ALPHA

(B) DCN/DA, DCLMDA, XCPB, CAFAFO, CBLAFO VERSUS MACH

(C) DCNALF, DCLMALF, DCAAFO, XCPALF VERSUS THETA

(D) DCNALF, DCLMALF, XCPALF VERSUS THETA

(E) CNP, CLMH, CLMR VERSUS ALPHA

(F) CNP, CLMH VERSUS ALPHA

(G) CLMR VERSUS ALPHA

(H) D(CNP), XCP, YCP VERSUS MACH

INTRODUCTION

Aerodynamic stability studies of missile designs that have tube-launched applications have been conducted during the last three years. Major emphasis has been placed on definition of the aerodynamic characteristics of missiles with wrap-around fins. Wind tunnel tests have been planned and conducted to study the effects of the many geometric and flow parameters for the wrap-around fin (WAF), Reference 1. This report contains one of the planned wind tunnel tests conducted to study the WAF. The geometric variables covered during this test were opening angle, leading edge sweep angle, step-down body, and aspect ratio. Two additional fins with leading edge sweep angles were tested to extend the range of sweep angle data. The other fins except for the opening angle cases were tested to fill in voids of previous data. Opening angles from 10 degrees beyond fully open to closed 112.5 degrees were tested for the standard WAF (F1) case. The test was designated AEDC TC 273.

APPARATUS

Test Facility Description and Operation

The AEDC-PWT Aerodynamic Wind Tunnel (4T) is a closed loop, continuous flow, variable density tunnel in which the Mach number can be varied from 0.2 to 1.3. At all Mach numbers, the stagnation pressure can be varied from 200 to 3400 psfa. The test section is 4 feet square and 12.5 feet long with perforated variable porosity (0.5 to 10 percent open) walls. It is completely enclosed in a plenum chamber from which air can be evacuated, allowing part of the tunnel airflow to be removed thru the perforated walls of the test section (References 2,3).

During this test, the Mach number ranged from 0.5 to 1.3 with Reynolds number varying from 3.6 to 5.2 x 10^6/foot (tunnel total pressure was a constant nominal 2600 psfa).

The nominal test conditions are listed below:

M_∞	p_T psfa	q_∞ psf	$R_N \times 10^{-6}$ 1/ft.
0.5	2600	384	3.6
0.6	2600	514	3.8
0.8	2600	764	5.0
0.9	2600	872	5.0
0.95	2600	916	5.1
1.00	2600	965	5.2
1.05	2600	1000	5.2
1.10	2600	1030	5.2
1.20	2600	1080	5.2
1.30	2600	1110	5.2

The total temperature varied from about 100°F to 130°F.

The angle of attack was varied from -6° to a maximum positive angle of attack limited by balance loads up to 14 degrees on all configurations

except for one series of body alone. For one series of the body alone, the angle of attack was varied from -4 to 26 degrees at a constant Reynolds number of nominally 2.5 x 10^6/foot.

Instrumentation

The model was supported by AEDC's 6-component strain gage balance 1B (6-1.50-0.500-1.12 M) and sting 4S (S-1.12F-35.38-1.850 M). In addition, each fin was supported by an independent 3-component strain gage balance built and calibrated by AEDC for the U. S. Army Missile Command (MICOM). These balances are identified by MICOM drawings, RDK-12500 series.

The maximum rated capacities for the main balance (AEDC 1B) are:

Normal force	500 lb
Side force	250 lb
Pitching moment	1600 in.-lb
Yawing moment	800 in.-lb
Rolling moment	800 in.-lb
Axial force	100 lb

The maximum rated capacities for each fin balance are:

Normal force	60 lb
Hinge moment	100 in.-lb
Root-bending moment	100 in.-lb

Because of the 3-component limitation of the fin balances, the normal force and the hinge moment data are inadequate for the folding fin configurations. This is discussed in detail in the section on data accuracy. Other tunnel instrumentation consisted of tunnel pressure and temperature transducers, two base pressure transducers, and a model grounding circuit indicating continuity between fins and body and between body and sting.

Model

The models consisted of a 2-caliber secant ogive nose with an eight-caliber cylindrical afterbody and five fin configurations. The basic body configuration (B1) had a straight cylindrical afterbody, 4 inches in diameter. An alternate afterbody shape (B2) stepped down to a diameter of 3.6 inches over a length of 7 inches from the base, Figure 2.

The five wrap-around fin configurations tested are shown in Table II and Figure 3. The basic fin F1 was tested at six fold angles of -10, 0, 22.5, 45, 90, and 112.5 degrees. The other fin variables were four fins with leading edge sweep, two with matching sweep angles and different root chords F14 and F18, one delta F19, and one other with a 60-degree leading edge sweep angle F17. All fins had maximum span for a WAF of approximately one-fourth the body circumference. Several check points were also obtained for the basic WAF (F1) on the step down body B2. A gap of 0.020 inch was maintained (see Figure 3) between body and each fin root chord to allow for fin balance deflections under load. Photographs of model installed in the AEDC 4-foot tunnel are shown in Figure 4.

The complete model, balance and sting was rolled by the AEDC remote roll mechanism when roll attitudes other than zero were called for. Model changes consisted of exchanges of fins or fin components. When fins of different root chord lengths were exchanged, body spacers were also exchanged so that the fin trailing edge was flush with the body base. Each fin attachment plate was at 50% root chord.

DATA ACCURACY

The data presented were obtained at a stagnation pressure of approximately 2600 psfa. The error in the data at this condition, attributable to errors in the balance measurements and tunnel condition, was determined for a confidence level of 95 per cent and is shown as prepared by AEDC (Reference 2) in Table III.

The error in setting Mach number is $\pm.002$. The Mach number variation in the portion of the test section occupied by the model is no greater than $\pm.005$ for Mach numbers up to 0.95 and $\pm.01$ for Mach numbers greater than 1. The error in setting angle of attack is $\pm.1$ degree.

The proper hinge moments and normal forces are not adequately defined for the fin opening angles other than the fully open case, $\theta = 0$ degrees. The fin normal force - CNP - measured and plotted in this report is actually the fin balance normal force which is fixed relative to the model and does not rotate with fin opening angle θ. At opening angles other than $\theta = 0.0$, the measured fin normal force and hinge moments are merely components of the true fin normal force (see Figure 1). The fin balance orientation with respect to the body remained fixed for all fin opening angles while the technique used to vary opening angle was in the fin design concept. Adequate description of fin forces would require 5-component fin balances with additional measurements of span force or side force and moment. Flat fin normal force may be approximated for $\theta = \pm 10.0$, 22.5 and 45 degrees by:

$$\text{fin normal force} = \text{balance normal force}/\cos\theta.$$

This type of approximation should not be used for $\theta = 90$ and 112.5° because of fin forces induced by the body fin flow field interaction. The accuracy of using the component method is made more questionable because force loadings on the WAF and flat fin are different. The fin data at $\theta = 112.5$ were void because of binding between fin and body. These data were repeated and are documented in Reference 4.

REDUCTION OF DATA

All main balance force coefficients are referenced to the cross sectional area of the body (12.566 in^2). The moments are all about the nose apex (Figure 2) and are based on the body cross sectional area times the body diameter (4 in.).

All fin force coefficients are referenced to their respective fin panel geometry listed below:

FIN REFERENCE DATA

Fin	b/2 - in.	C_R - in.	S_f - sq. in.
F1	2.64	7.0	18.48
F14	2.63	7.0	14.73
F17	2.63	7.0	12.52
F18	2.61	4.0	6.92
F19	2.55	4.0	5.10

The fin hinge moment coefficients are about the fin 50% root chord line and the root bending moment coefficients are about a line parallel to the fin root chord on the body surface. The reference length for hinge moment is the fin root chord and for bending moment the exposed semi span b/2.

The standard sign convention used for the main balance is a climbing right turn. The sign convention for the fin balances is shown in Figure 1.

DATA PRESENTATION

The data are presented in two groups of plots: main balance data and fin balance data. Each group is broken into three sub groups showing the basic data variations with angle of attack, summary data showing the effect of Mach number, and the opening angle variation on fin and fin effectiveness. A complete run log is contained in Table I.

Main Balance Data

All six components of the main balance data are shown as a function of angle of attack and Mach number on data pages 1-144. The first six pages present the body alone data obtained at the Reynolds number of 2.5×10^6 per foot with angle of attack ranging up to 26 degrees. The summary plots for these data showing the static stability coefficient gradients and the forebody axial force and rolling moments coefficients at zero angle of attack are presented as a function of Mach number on data pages 145-168.

The fin lift effectiveness and incremental drag were obtained as a function of fin opening angle at several Mach numbers by subtracting the body alone data from the total configuration body-fin data. These results are shown in data pages 169-181. All coefficients remain referenced to the body geometry with the exception of fin center of pressure origin, which has been transferred to the fin leading edge, model Sta. 33.0 in.; however, XCPALF remains non-dimensionalized with the body diameter (4.0 in.).

Fin Balance Data

Data pages 182-231 present the three-component fin balance data for all runs with fully open fins ($\theta = 0$). Data for the horizontal fins (Fin No.2 and 4) are shown for the model at $\phi = 0$ (model in the + roll orientation), and data for all four fins are shown at $\phi = 45$ deg (model in the X roll orientation). All fin coefficients are based upon their respective geometry described in the section on reduction of data.

The balance normal force and hinge moment data for the fin opening angles of $\theta = -10$, 22.5, and 45 are presented in Data pages 232-311. The balance normal force CNP and hinge moment coefficient CLMH are not the fin normal force and hinge moment for $\theta \neq 0$; see section on data accuracy. These coefficients are not shown for $\theta = 90$ and 112.5 degrees. The fin root bending moment coefficients for each fin are shown versus angle of attack and opening angle for all missile roll attitudes and Mach numbers tested on pages 312-471.

Summary data showing the fin coefficient gradients are shown on Data pages 472-484.

REFERENCES

1. Dahlke, C. W., Craft, J. C., "The Effect of Wrap-Around Fins on Aerodynamic Stability and Rolling Moment Variations", U. S. Army Missile Command, Redstone Arsenal, Alabama, RD-73-17, Jul 73.

2. Dunkin, O. L., "Effects of Fin Folding Angle and Leading Edge Sweep Angle on the Aerodynamic Characteristics of Missiles Equipped with Wrap Around Fins at Mach Numbers from 0.5 to 1.3", AEDC, Arnold Air Force Station, Tenn., AEDC-TR-73-191, Nov 73.

3. Test Facilities Handbook (Ninth Edition) - "Propulsion Wind Tunnel Facility, Vol. 4", Arnold Engineering Development Center, July 71.

4. Dahlke, C. W., Flowers, L. D., "The Aerodynamics of Wrap Around Fins, Including Fold Angle at Mach Numbers From 0.5 to 3.0", U.S. Army Missile Command, Redstone Arsenal, Ala., RD-75-15, 15 Nov 74.

NOMENCLATURE

General

Symbol	Plot Symbol	Definition
M	MACH	Mach number; V/a
α	ALPHA	angle of attack, deg.
P_T	PT	tunnel total pressure, psfa
q_∞	Q(PSF)	test section dynamic pressure, psf
R_N	RN	Reynolds number, 1/ft
D		body diameter, 4.0 inches
ℓ_{REF}	LREF	reference length
$X_{C.G.}$	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis
S_f	-	fin panel area, sq. in.
S_{ref}	SREF	body cross-sectional area or reference area; m^2, ft^2

(Main Balance)

C_{A_T}	CA	total axial force coefficient
C_{A_F}	CAF	forebody axial force coefficient
$C_{AF_{\alpha=0}}$	CAFAFO	forebody axial force coefficient at zero angle of attack
C_ℓ	CBL	rolling moment coefficient
$C_{\ell_{\alpha=0}}$	CBLAFO	rolling moment coefficient at zero angle of attack

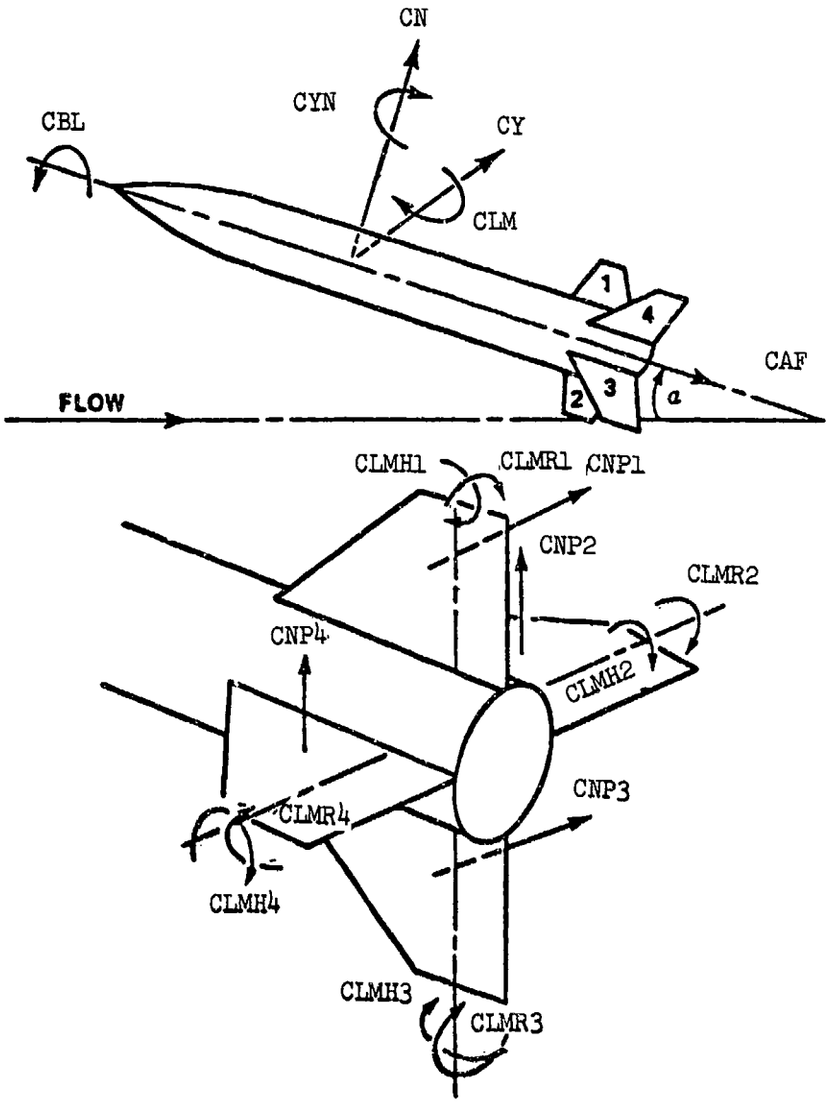
NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
C_m	CLM	pitching moment coefficient, about nose
C_N	CN	normal force coefficient
C_Y	CY	side force coefficient
C_n	CYN	yawing moment coefficient, about nose
$\Delta C_{A_{\alpha=0}}$	DCAAFO	fin incremental drag coefficient at alpha = 0.0
$\delta(\Delta C_m)/\delta\alpha$	DCLMALF	fin incremental pitching moment coefficient derivative with respect to angle of attack
$\delta C_m/\delta\alpha$	DCLMDA	pitching moment coefficient derivative with respect to angle of attack
$\delta(\Delta C_N)/\delta\alpha$	DCNALF	fin incremental normal force coefficient derivative
$\delta C_N/\delta\alpha$	DCN/DA	normal force coefficient derivative with respect to angle of attack
	XCPALF	fin center of pressure from leading edge, [DCLMALF/DCNALF + 8.25]
$\delta C_m/\delta\alpha/\delta C_N/\delta\alpha$	XCPB	ratio of pitching moment derivative with respect to angle of attack to normal force derivative with respect to angle of attack
		(Fin Balance)
C_{m_H}	*CLMH	fin hinge moment coefficient about 50% chord
C_{m_R}	CLMR	fin root bending moment coefficient about body surface
C_{N_F}	CNP	fin normal force coefficient

* Fin force and moments axis system remain fixed relative to fin balance regardless of fin fold angle, but roll with model.

NOMENCLATURE (Concluded)

Symbol	Plot Symbol	Definition
$dC_{N_F}/d\alpha$	D[CNP]	fin panel normal force coefficient derivative with respect to angle of attack
	XCP	chordwise center of pressure positive fwd of 50% chord line
	YCP	spanwise center of pressure outboard of body surface
		(Parameters)
	B/2D	fin exposed semi-span to body diameter ratio
C_R	FRCORD	fin root chord length
	CR/D	fin root chord to body diameter ratio
	FIN NO.	fin number (See Figure 1)
Λ	LAMDA	fin leading edge sweep angle, deg.
ϕ	PHI	model roll angle, deg.
θ	THETA	fin opening/closing angle, deg-0.0=fully open



NOTE: Fin Coefficients are Body Fixed

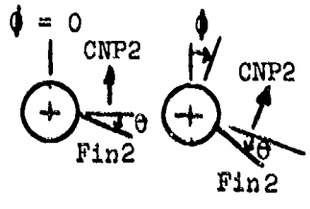


Figure 1. Sign Convention

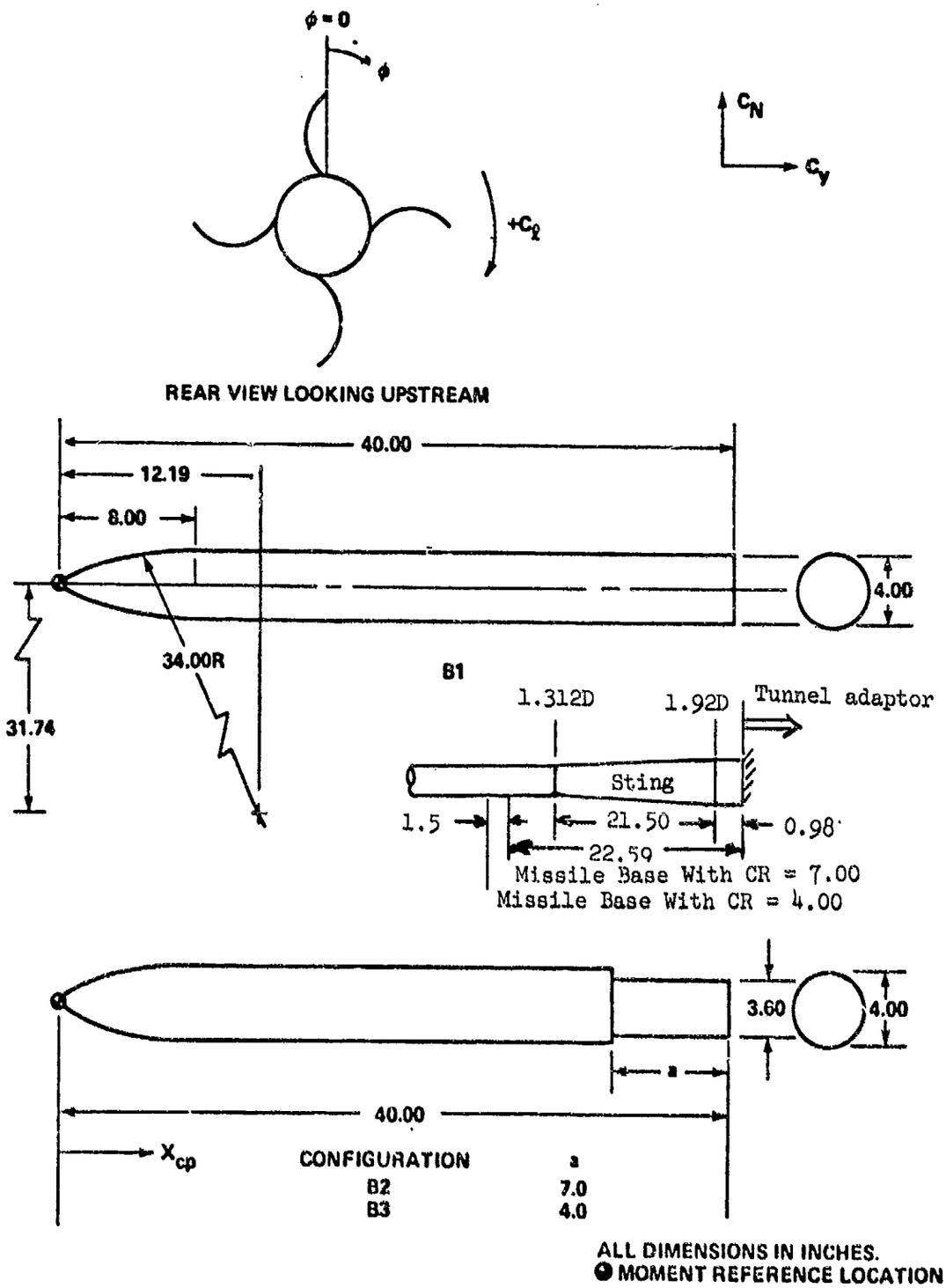
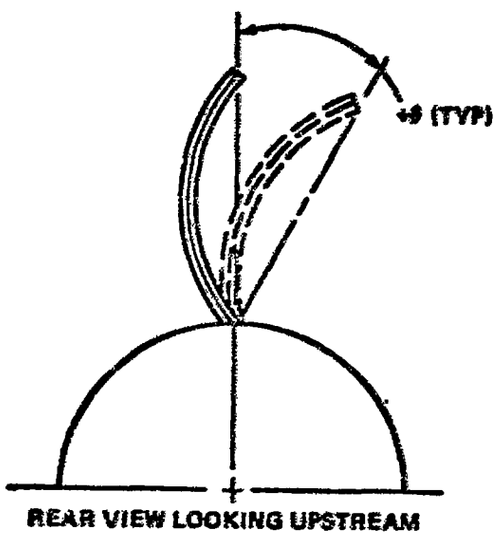
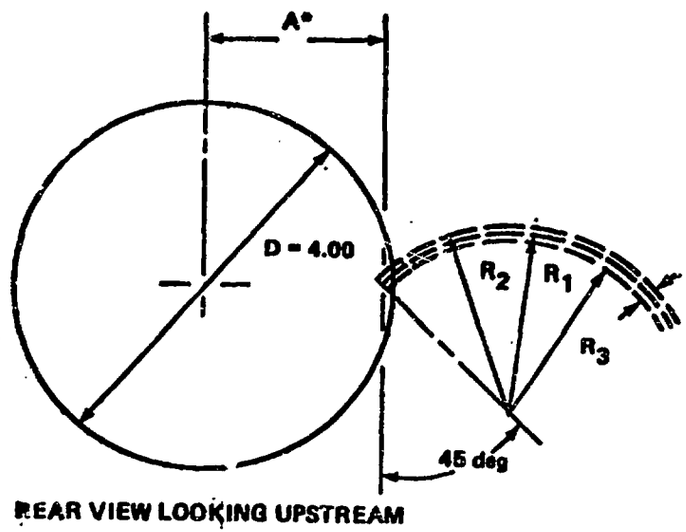
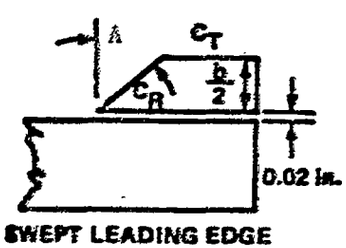
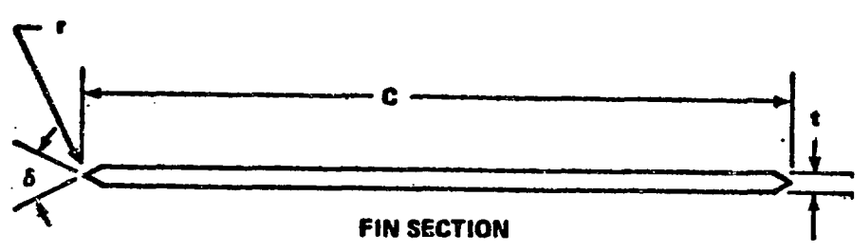


Figure 2. External body geometry.









NOTE: • – FOR DIMENSIONS SEE TABLE II.

Figure 3. WAF geometry.

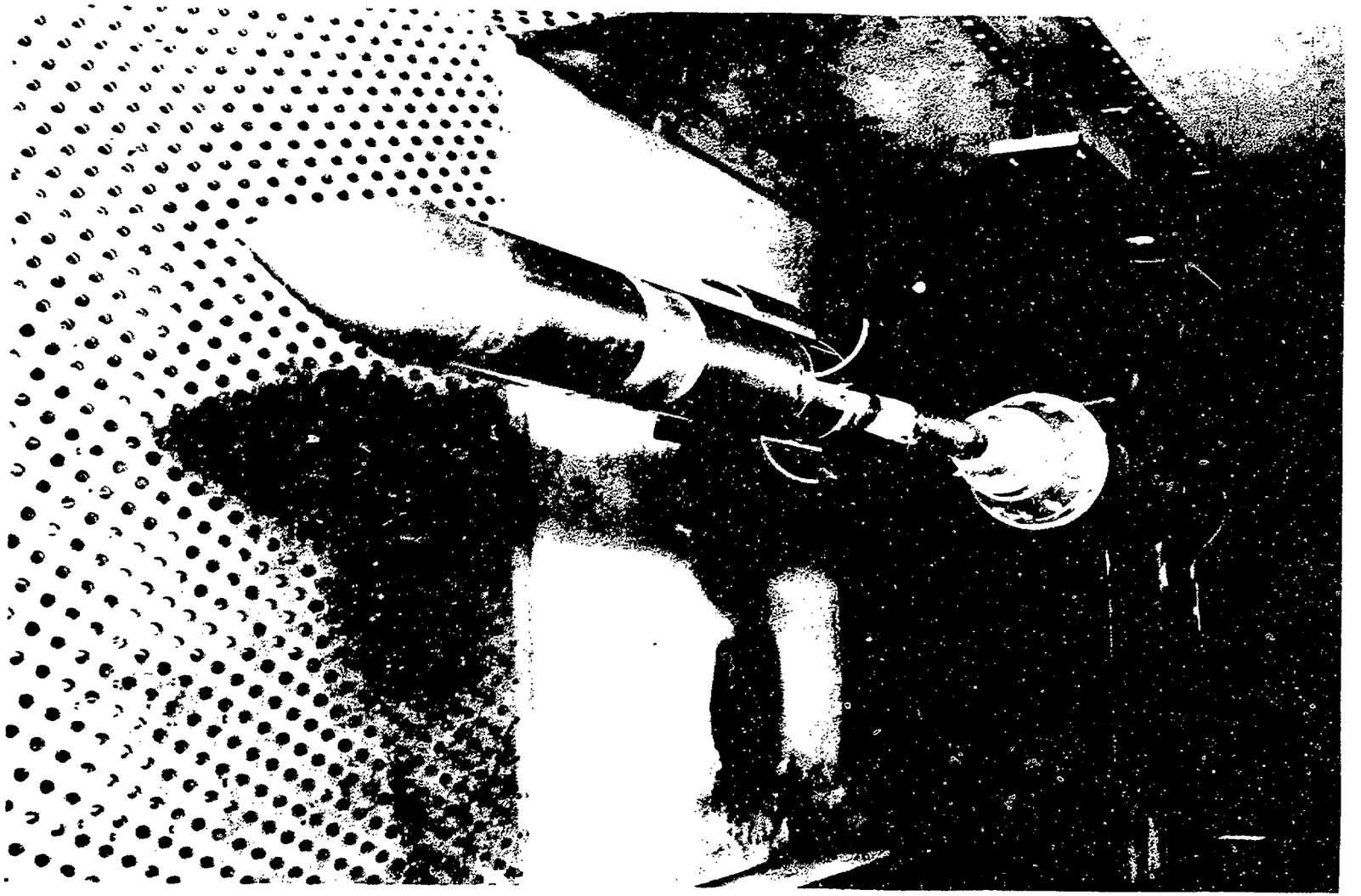


Figure 4a. Model Installation Photograph, B1F1, $\theta = 45°$, $\phi = 0°$

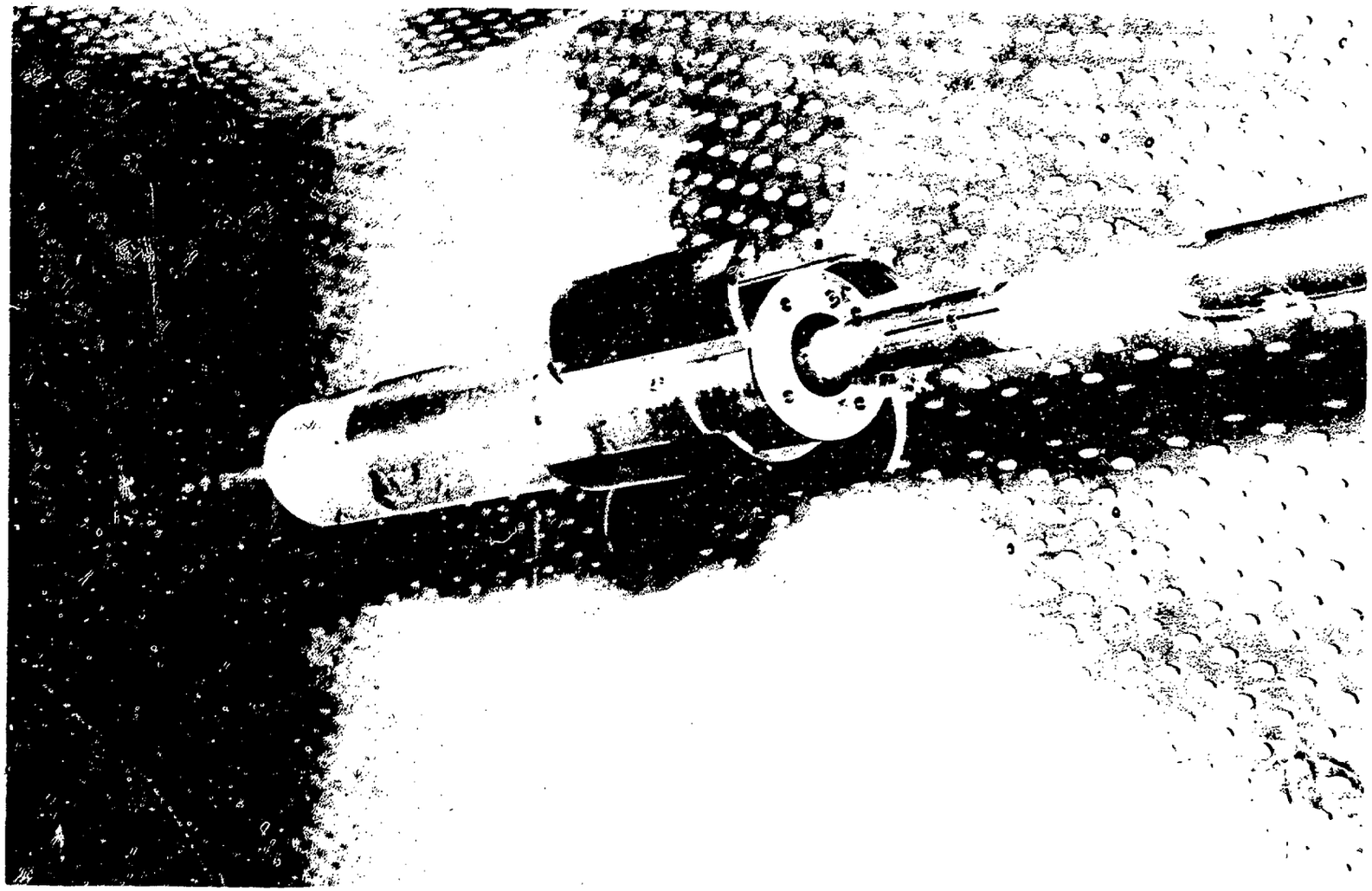


Figure 4b. Model Installation Photograph, B1F1, $\theta = 90°$, $\phi = 0°$

TABLE I

TEST: AEDC TC 273 — **DATA SET/RUN NUMBER COLLATION SUMMARY** — **DATE:** 8/21/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES ϕ	CR	Λ	Θ	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.5	0.6	0.8	0.9	0.95	1.0	1.05	1.1	1.2	1.3	TEST RUN NUMBERS
RX3(*)01	B1F1	A	0	0	7	0	-10	2	272	280									
02	↓	↓	↓	22.5	↓	↓	↓	2	273	279									
03	↓	↓	↓	45	↓	↓	↓	2	274	278									
04	↓	↓	↓	67.5	↓	↓	↓	2	275	277									
05	B1F1	↓	↓	0	↓	↓	0.0	5	68		69			70			71	72	
06	B1F14	↓	↓	0	↓	46.9	0.0	5	266			265		256			259	260	
07	B1F14	↓	↓	45	↓	46.9	0.0	5	268			264		257			258	261	
08	B1F17	B	↓	0	↓	60	0.0	10	20	23	24	30	31	34	35	38	39	42	
09	B1F17	↓	↓	45	↓	60	0.0	10	21	22	25	29	32	33	36	37	40	41	
10	B1F18	↓	↓	0	4	46.9	0.0	10	196	199	200	203	204	207	208	211	212	215	
11	B1F18	↓	↓	45	4	46.9	0.0	10	197	198	201	202	205	206	209	210	213	214	
12	B1F19	↓	↓	0	4	57.3	0.0	10	218	221	222	225	226	229	230	233	234	237	
13	B1F19	↓	↓	45	4	57.3	0.0	10	219	220	223	224	227	228	231	232	235	236	
14	B1F1	A	↓	0	7	0	22.5	10	126	139	140	147	148	155	156	179	180	184	
15	↓	↓	↓	22.5	↓	↓	↓	9	129	138	141	146	149	154	157	178	181		
16	↓	↓	↓	45	↓	↓	↓	9	134	137	142	145	150	153	158	177	182		
17	↓	↓	↓	67.5	↓	↓	↓	10	135	136	143	144	151	152	159	176	183	187	

* { B→ CN, CLM, CA, CAF, CAB, CY, CBL, CYN, XCP, CBLFIN, MACH, ALPHA
{ T,R,U,L→ CNP, CLMH, CLMR

TYPE OF DATA α OR β SCHEDULES — COEFFICENT SCHEDULES: αA: -7° → 14°; αB: -7° → 6°; αC: -5° → 27° — IDVAR (1) — IDVAR (2) — NDV

TABLE I. (Continued)

TEST: AEDC TC 273 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 8/21/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES ϕ	CR	A	ϑ	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.5	0.6	0.8	0.9	0.95	1.0	1.05	1.1	1.2	1.3	TEST RUN NUMBERS
RX3(*)18	B1F1	A	0	0	7	0	45	10	78	88	89	96	99	106	107	114	115	122	
19				22.5				10	79	87	90	95	100	105	108	113	116	121	
20				45				10	80	83	91	94	101	104	109	112	117	120	
21				67.5				10	81	82	92	93	102	103	110	111	118	119	
22	B1F1			0			90	4	48	55	56	64							
23				22.5				4	49	54	57	63							
24				45				4	50	53	58	62							
25				67.5				4	51	52	59	61							
26	B1F1			0			112.5	4	163	170	171	172							
27				22.5				2	164	169									
28				45				2	165	168									
29				67.5				2	166	167									
30	B2F1			0			0	5	241		244			245			248	249	
31	B2F1			45			0	5	242		243			246			247	250	

TYPE OF DATA α OR β SCHEDULES — COEFFICENT SCHEDULES — IDVAR (1) — IDVAR (2) — NDV

TABLE I. (Concluded)

TEST: AEDC TC 273 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 8/21/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES ϕ	PARAMETERS/VALUES CR	PARAMETERS/VALUES A	PARAMETERS/VALUES PT	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.3	0.5	0.8	0.85	0.92	0.98	1.1	1.2	1.3	TEST RUN NUMBERS
RX3(*)32	B1	C	0	0	-	-	1200	8	3		4	5	7	8	10	11	12	
RX3(*)33	B1	A	0	0	-	-	2600	3		15	16						14	

TYPE OF DATA α OR β SCHEDULES — COEFFICENT SCHEDULES — IDVAR (1) — IDVAR (2) — NDV

TABLE II. FIN CONFIGURATION SUMMARY

Configuration	A** (in.)	C_R (in.)	CT/CR	Λ (deg.)	t (in.)	R_1 (in.)	R_2 (in.)	R_3 (in.)	δ* (deg.)	r (in.)	AR	b/2 (in.)
F1	1.9	7.0	1.00	0	0.20	1.90	2.0	1.8	45	0.008	0.75	2.64
F_{14}	↓	↓	0.60	46.9	↓	↓	↓	↓	↓	↓	0.94	2.63
F_{17}	↓	↓	0.36	60.0	↓	↓	↓	↓	↓	↓	1.11	2.63
F_{18}	↓	4.0	0.33	46.9	0.12	↓	1.96	1.84	↓	↓	1.97	2.61
F_{19}	↓	↓	0.00	57.3	↓	↓	↓	↓	↓	↓	2.55	2.55

* Leading edge angle, all trailing edge angles $\delta = 45°$

** For definition of variables see Figure 3.

TABLE III. DATA PRECISION

M_∞	Main Balance Data				Fin Balance Data					
					c = 7.0 in.			c = 4.0 in.		
	δC_N	δC_m	δC_A	δC_ℓ	δC_{N_F}	δCm_H	δCm_R	δC_{N_F}	δCm_H	δCm_R
0.50	±0.030	±0.210	±0.020	±0.020	±0.0072	±0.0018	±0.0035	±0.0130	±0.0031	±0.011
0.80	±0.015	±0.096	±0.010	±0.010	±0.0033	±0.0009	±0.0016	±0.0058	±0.0015	±0.005
0.95	±0.012	±0.070	±0.008	±0.008	±0.0023	±0.0006	±0.0011	±0.0040	±0.0011	±0.0033
1.00	±0.010	±0.060	±0.008	±0.008	±0.0020	±0.0006	±0.0010	±0.0035	±0.0011	±0.0030
1.10	±0.008	±0.050	±0.006	±0.007	±0.0016	±0.0005	±0.0007	±0.0028	±0.0009	±0.0021
1.20	±0.007	±0.040	±0.005	±0.007	±0.0013	±0.0005	±0.0006	±0.0023	±0.0009	±0.0018
1.30	±0.007	±0.036	±0.005	±0.007	±0.0011	±0.0005	±0.0004	±0.0019	±0.0009	±0.0012

PLOTTED DATA

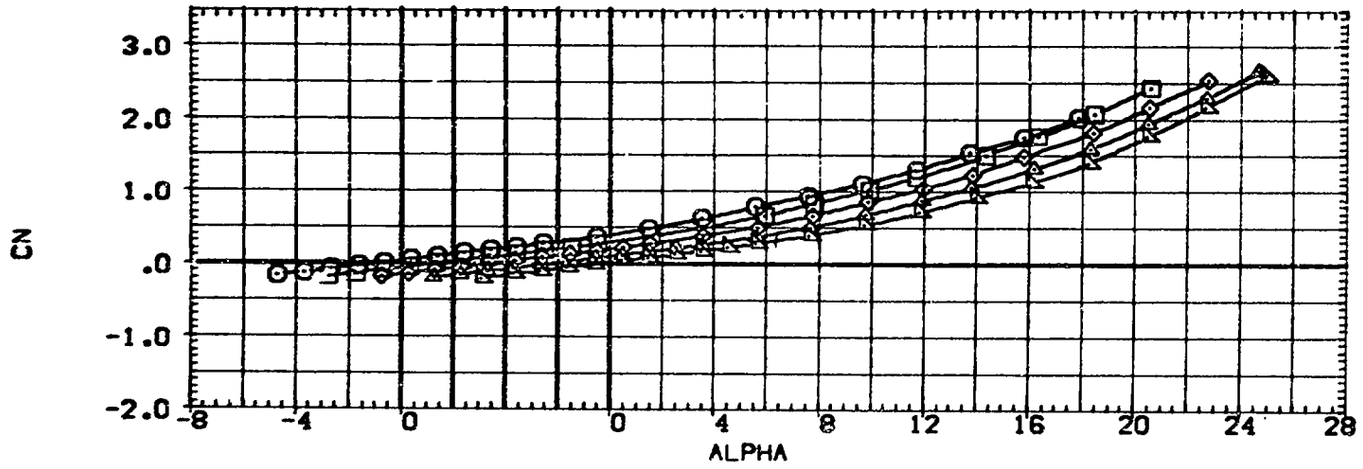
Tabulations of the plotted data and corresponding source data are available from Data Management Services Operations.

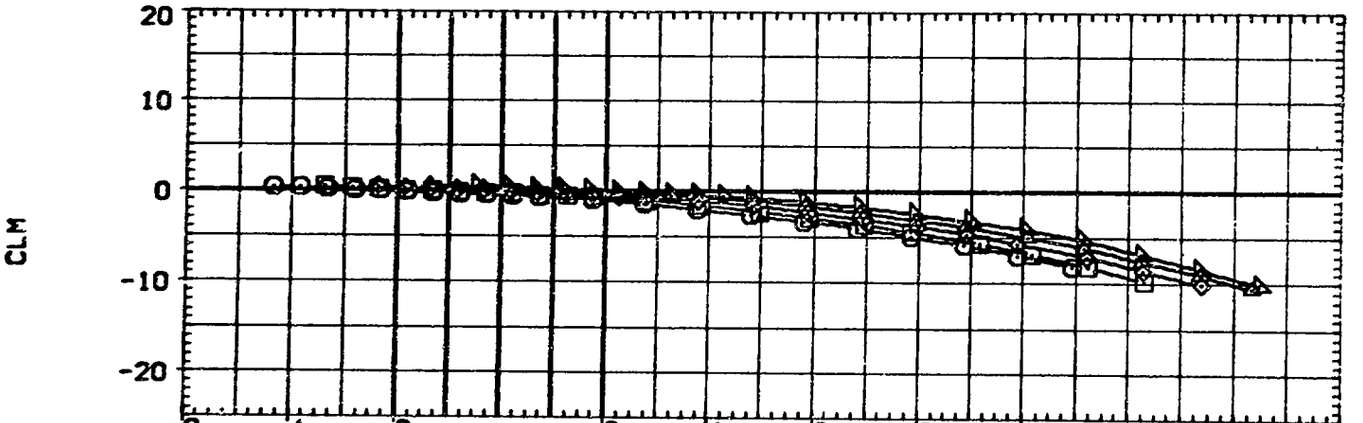
AEDC TC 273 WRAPAROUND FIN BODY ALONE, B1 (AX3B32)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.303	PHI	.000	PT	1200.000
□	.797	THETA	.000	CR/D	.000
◇	.849	B/2D	.000		
△	.921				
◁	.983				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





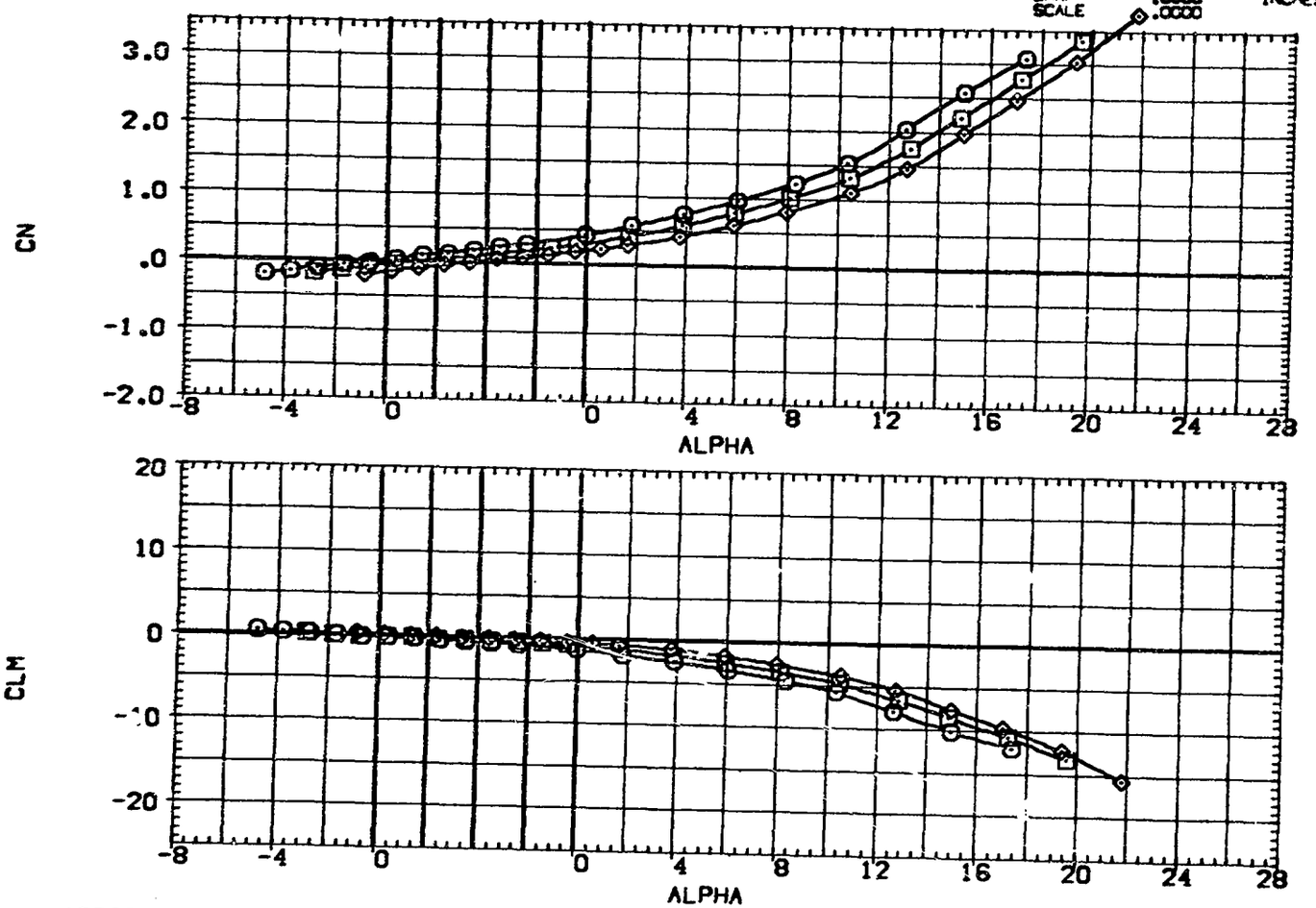
AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

AEDC TC 273 WRAPAROUND FIN BODY ALONE. B1 (AX3832)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.097	PHI	.000	PT	1200.000
□	1.198	THETA	.000	CR/D	.000
◇	1.298	B/2D	.000		

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



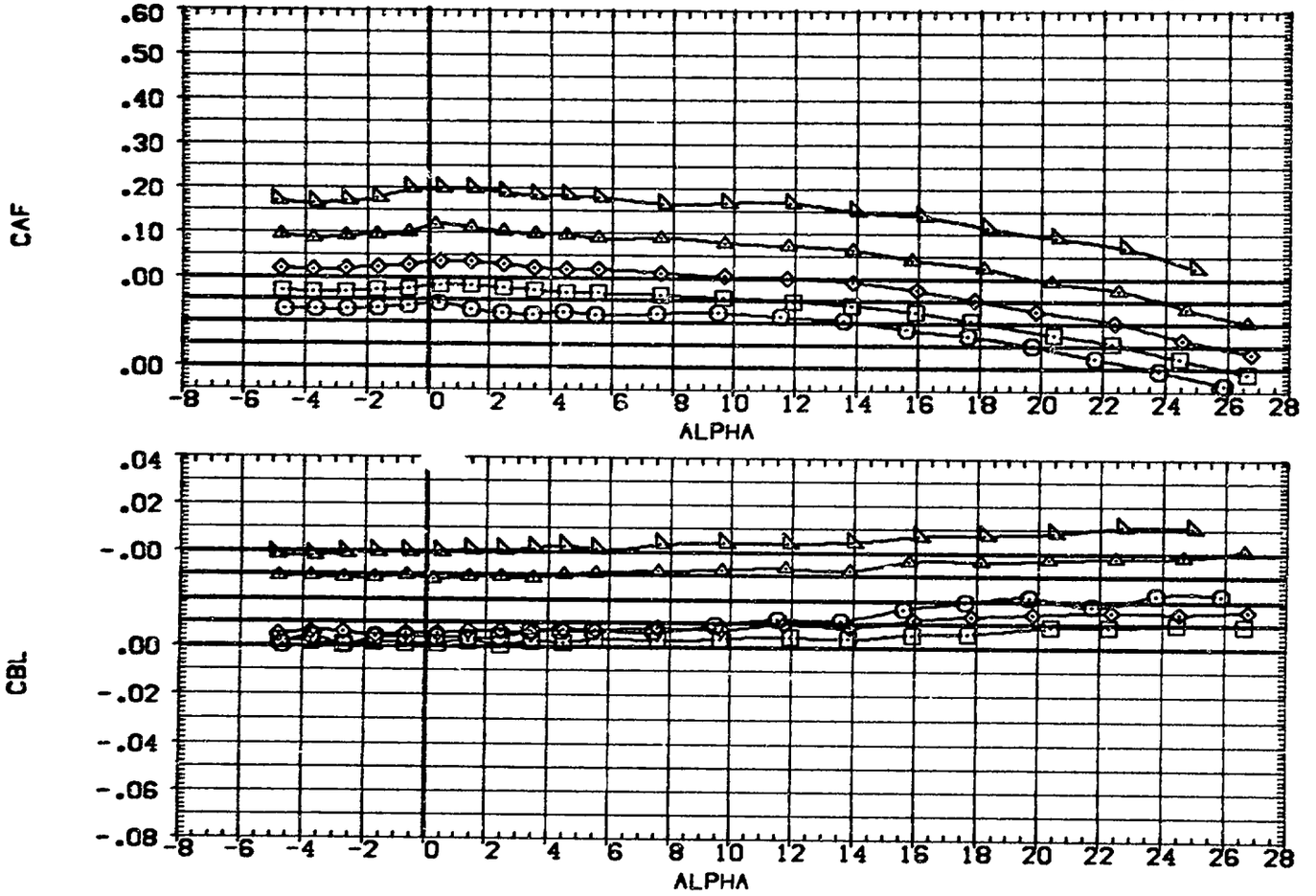
AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

AEDC TC 273 WRAPAROUND FIN BODY ALONE. B1 (AX3B32)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.303	PHI	.000	PT	1200.000
□	.797	THETA	.000	CR/D	.000
◇	.849	B/2D	.000		
◁	.921				
△	.969				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



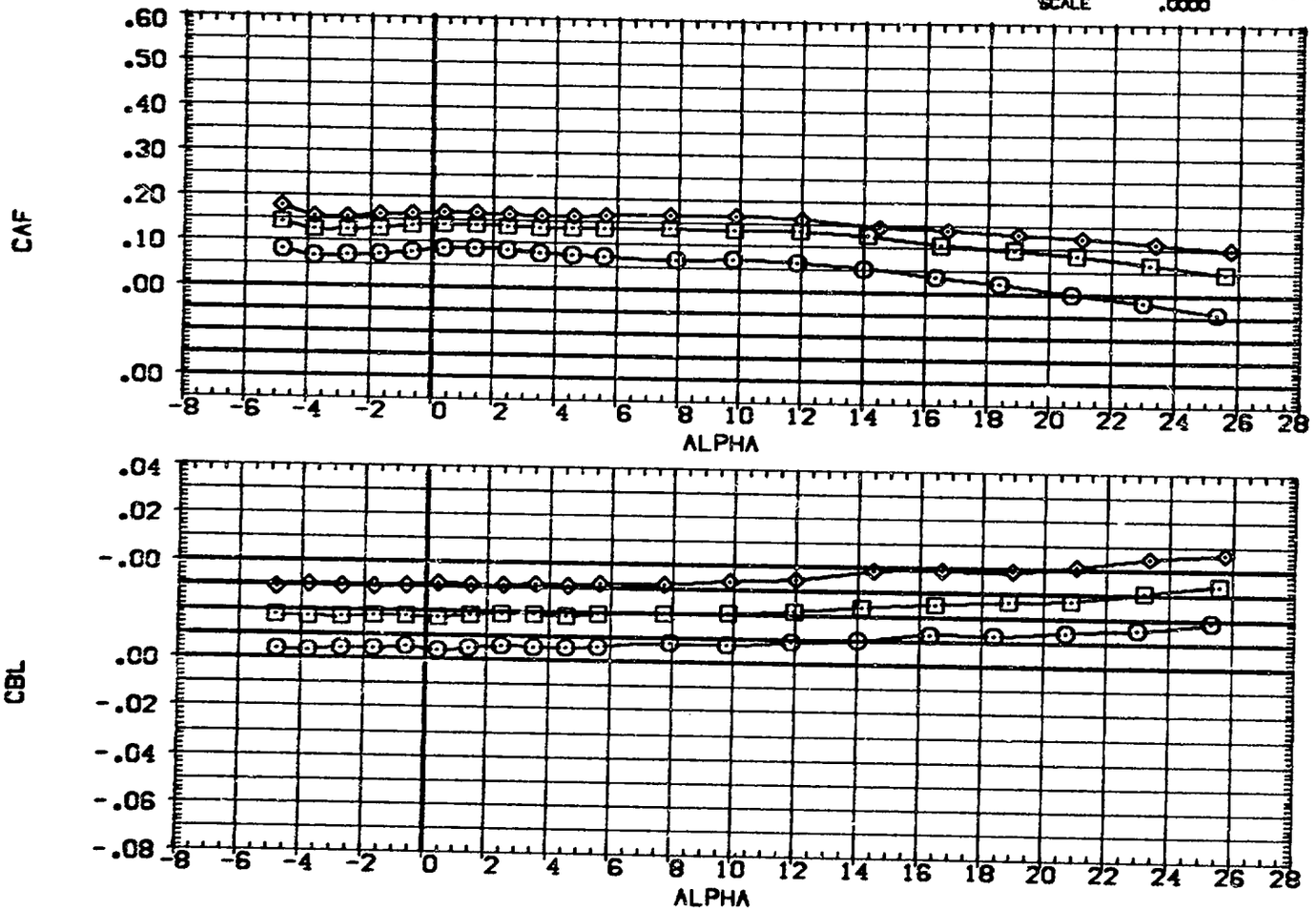
AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

AEDC TC 273 WRAPAROUND FIN BODY ALONE, B1 (AX3B32)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.097	PHI	.000	PT	1200.000
□	1.198	THETA	.000	CR/D	.000
◇	1.298	B/2D	.000		

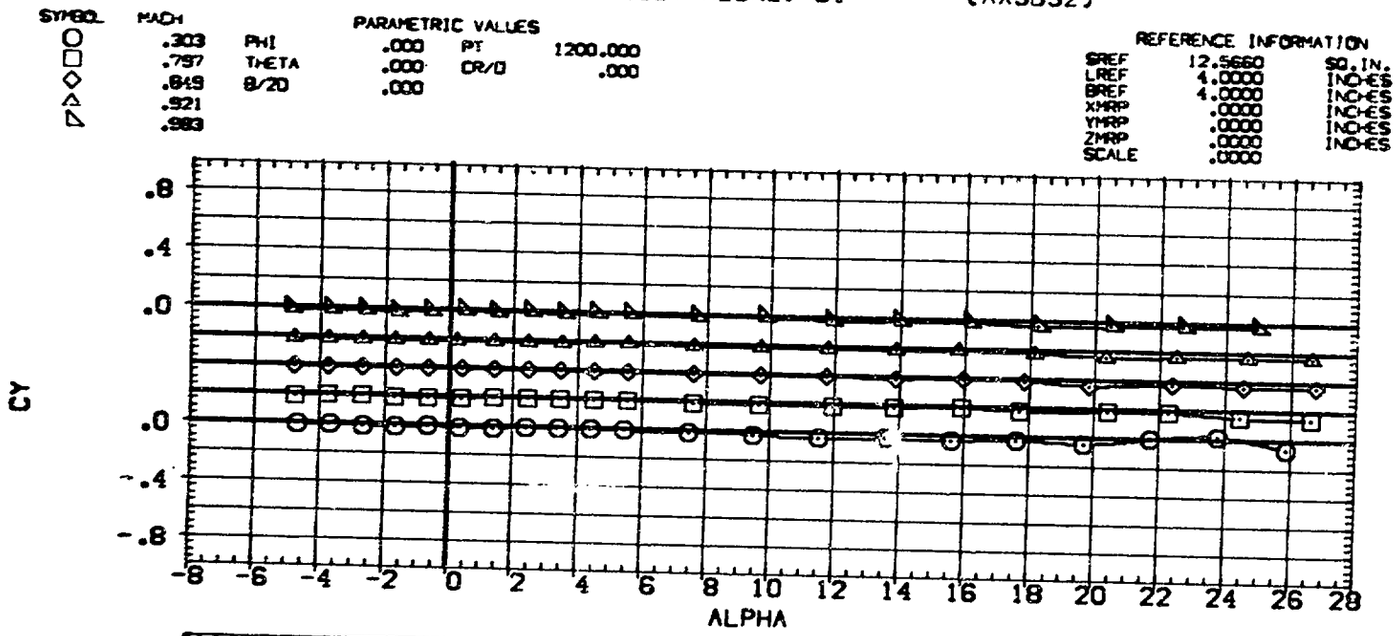
REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

AEDC TC 273 WRAPAROUND FIN BODY ALONE. B1 (AX3B32)



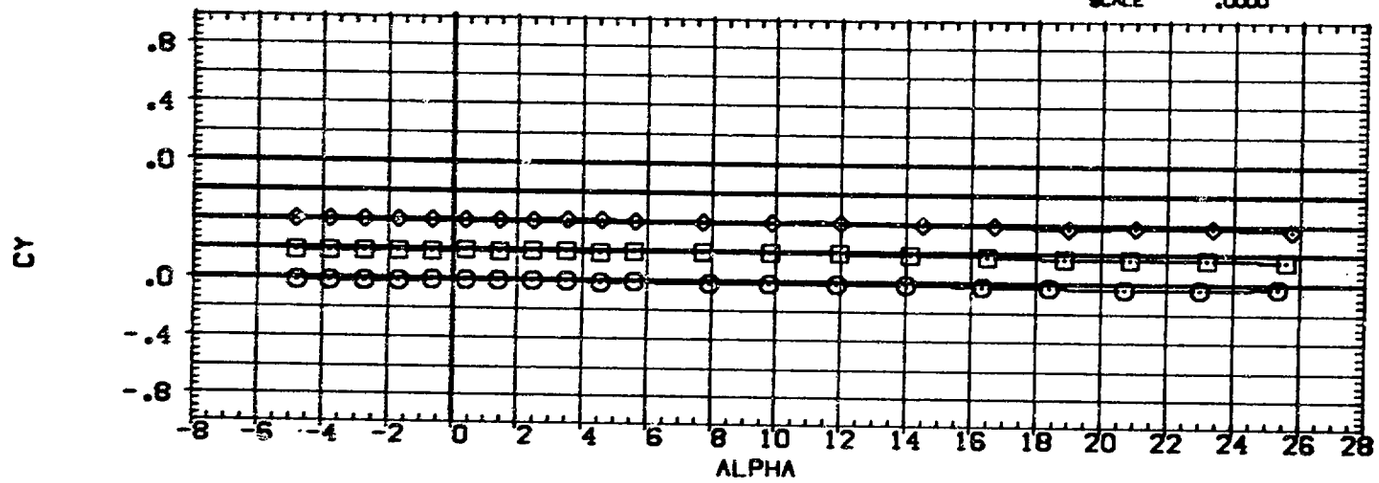
AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

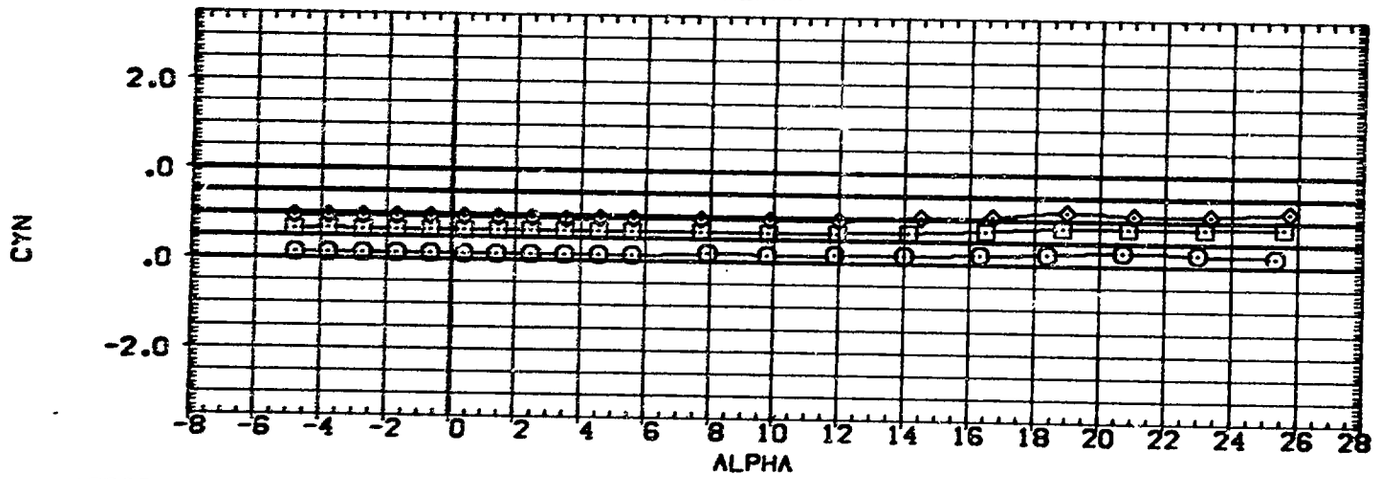
AEDC TC 273 WRAPAROUND FIN BODY ALONE. B1 (AX3B32)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.097	PHI	.000	PT	1200.000
□	1.198	THETA	.000	CR/D	.000
◇	1.298	B/2D	.000		

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





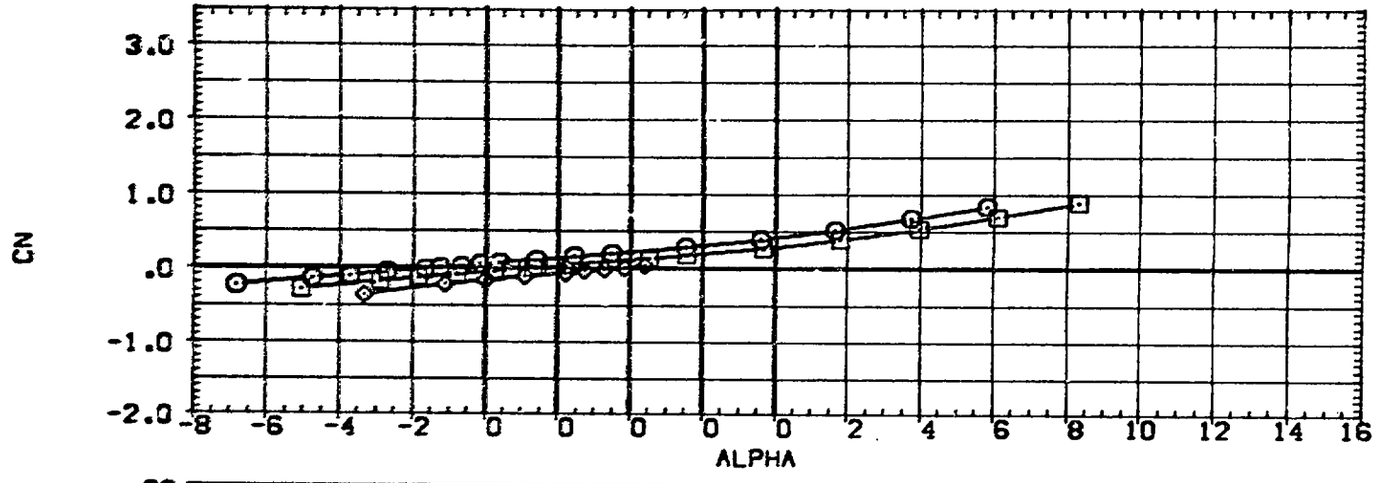
AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

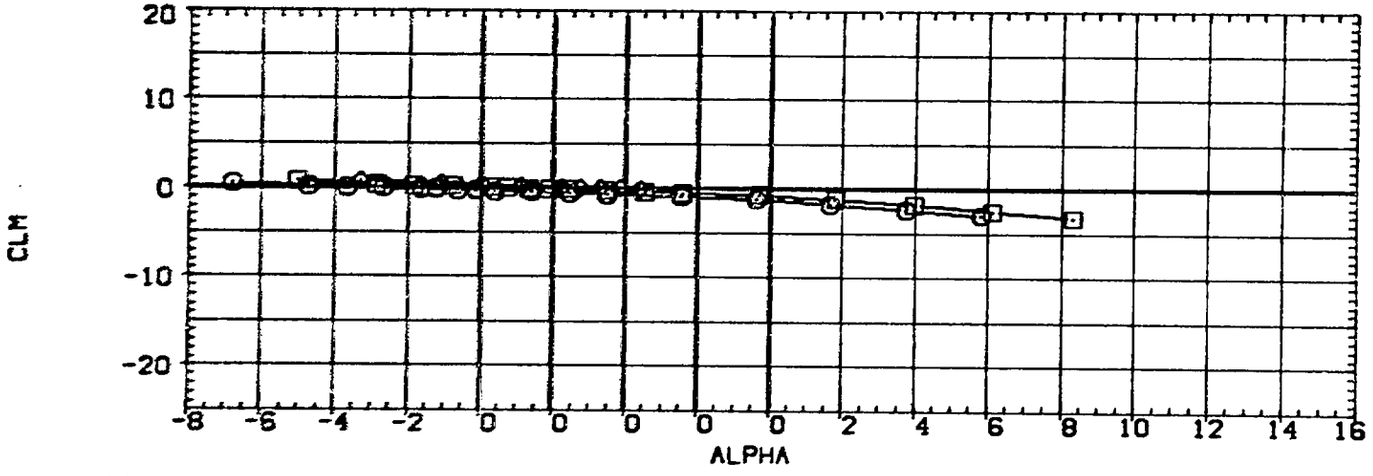
AEDC TC 273 WRAPAROUND FIN BODY ALONE, B1 (AX3B33)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	.000	PT	2600.000
□	.800	THETA	.000	DP/D	.000
◇	1.298	B/2D	.000		

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





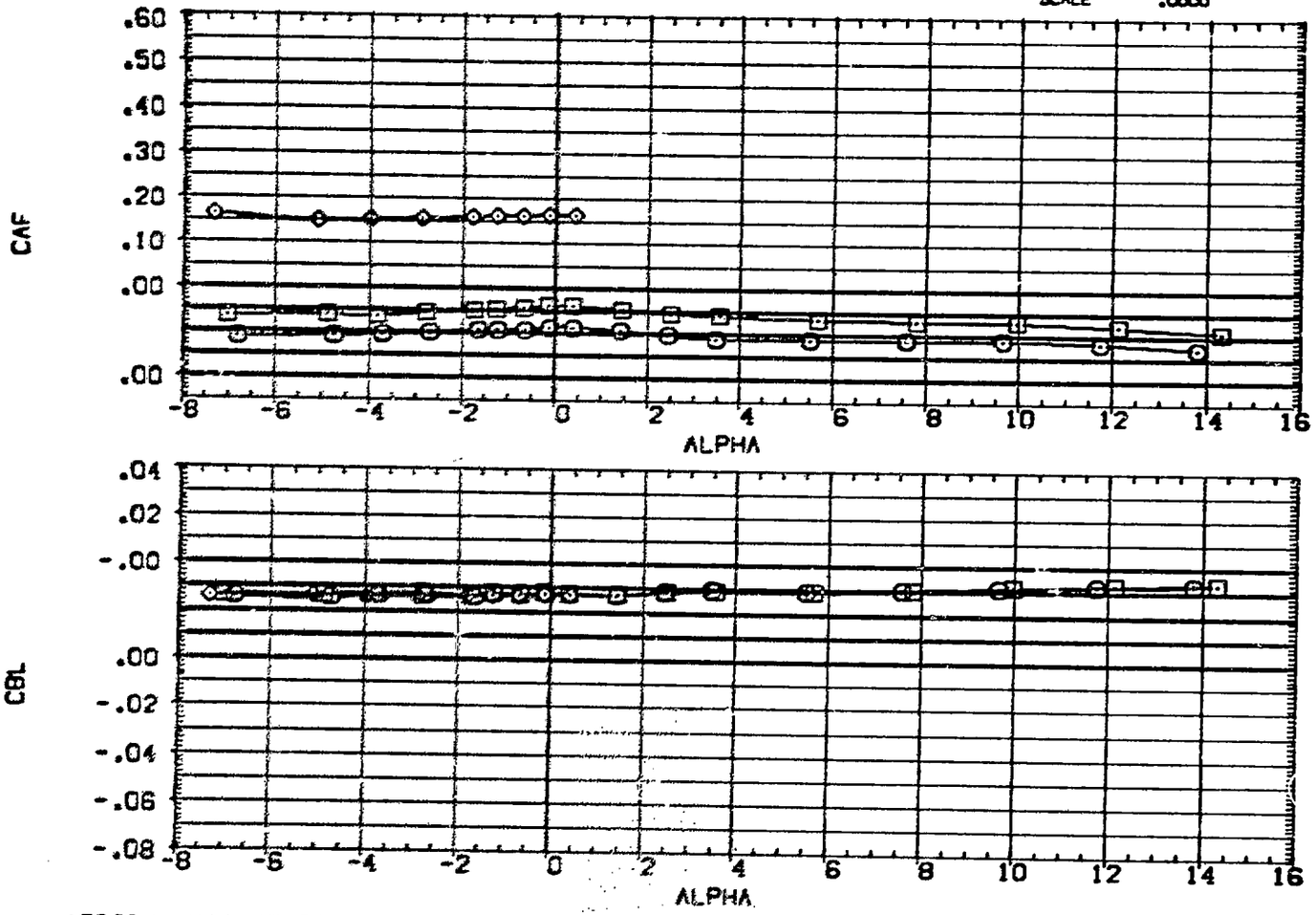
AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

AEDC TC 273 WRAPAROUND FIN BODY ALONE. B1 (AX3B33)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.501	PHI	.000	PT	2600.000
□	.800	THETA	.000	CR/D	.000
◇	1.298	B/2D	.000		

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



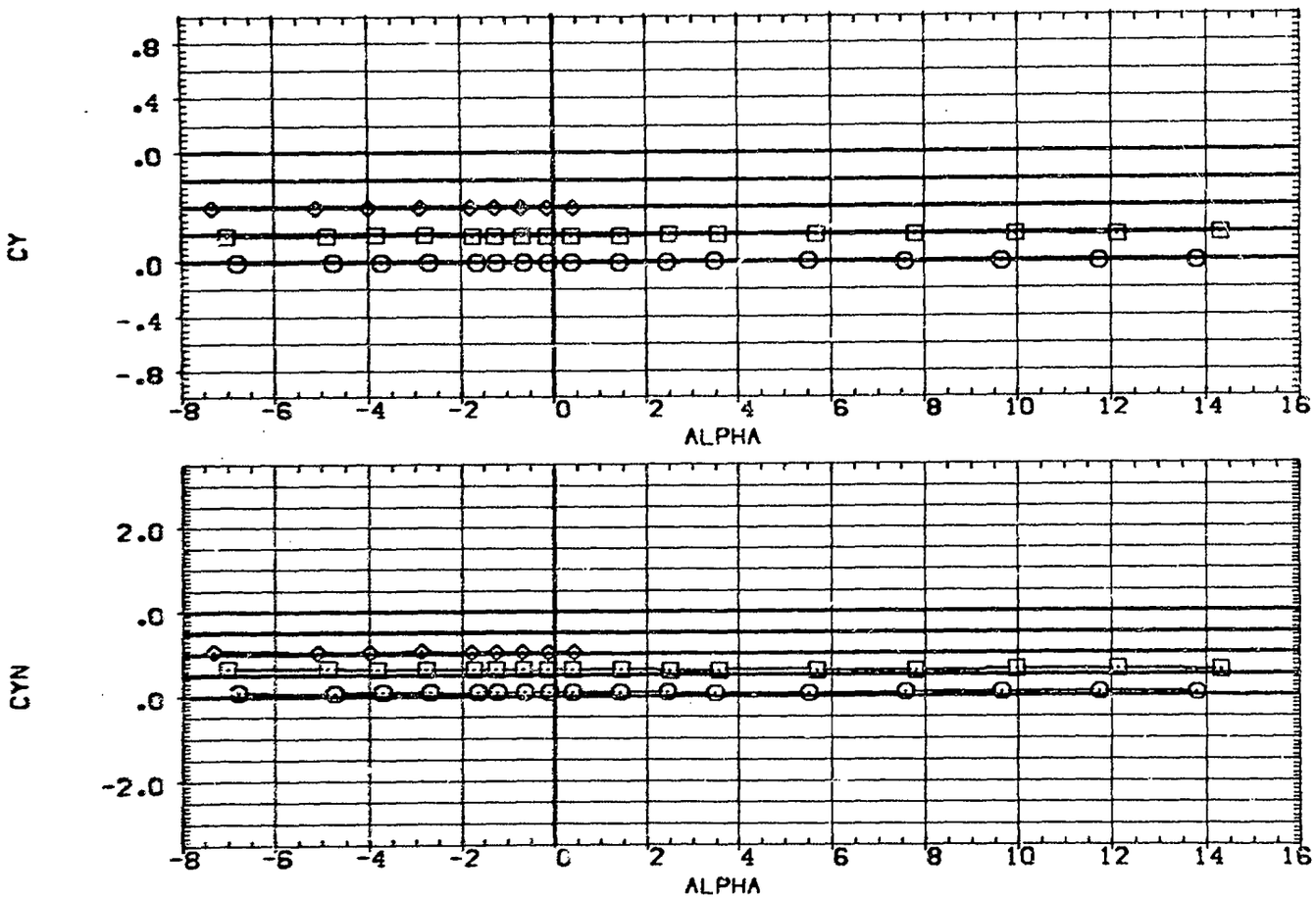
AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

AEDC TC 273 WRAPAROUND FIN BODY ALONE. B1 (AX3833)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	.000	PT	2600.000
□	.800	THETA	.000	CR/D	.000
◇	1.298	B/2D	.000		

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



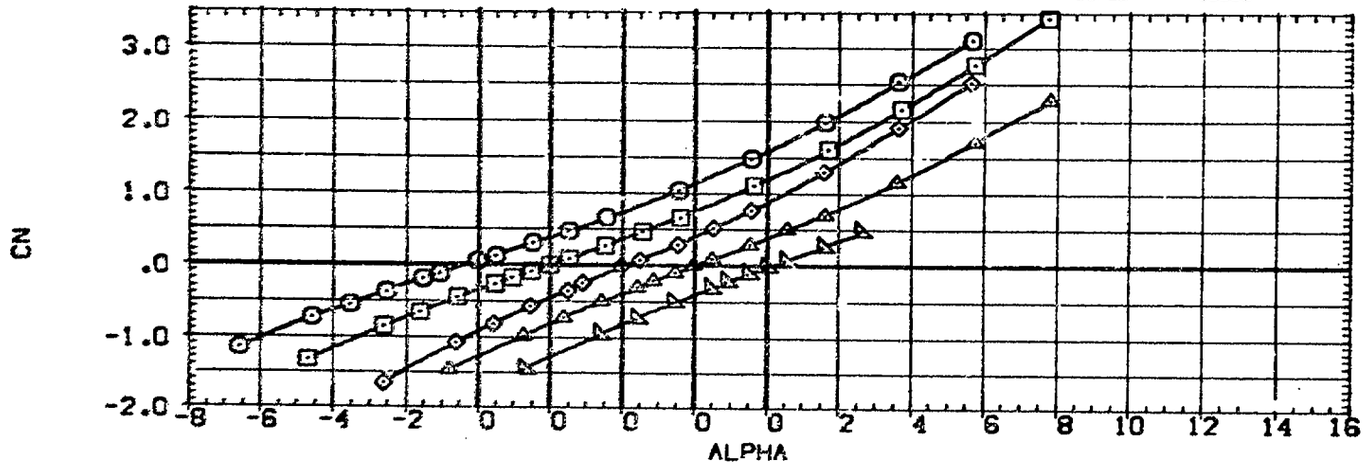
AERODYNAMIC STABILITY COEFFICIENTS - BODY ALONE

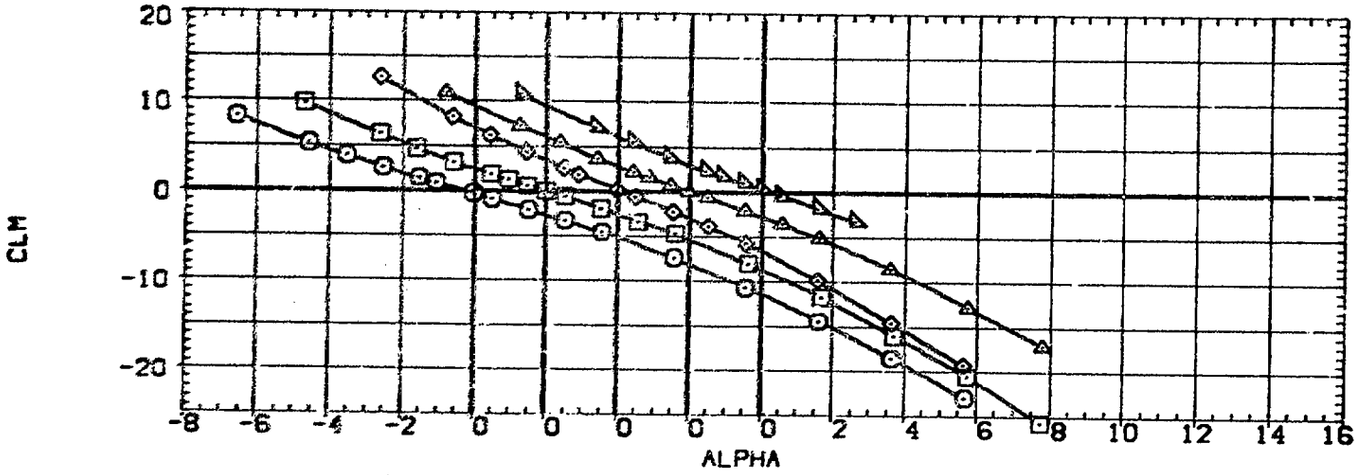
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B05)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	.000	FRCORD	7.000
□	.800	LAMBDA	.000	THETA	.000
◇	1.002	CR/D	1.750	B/2D	.660
△	1.157				
▽	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





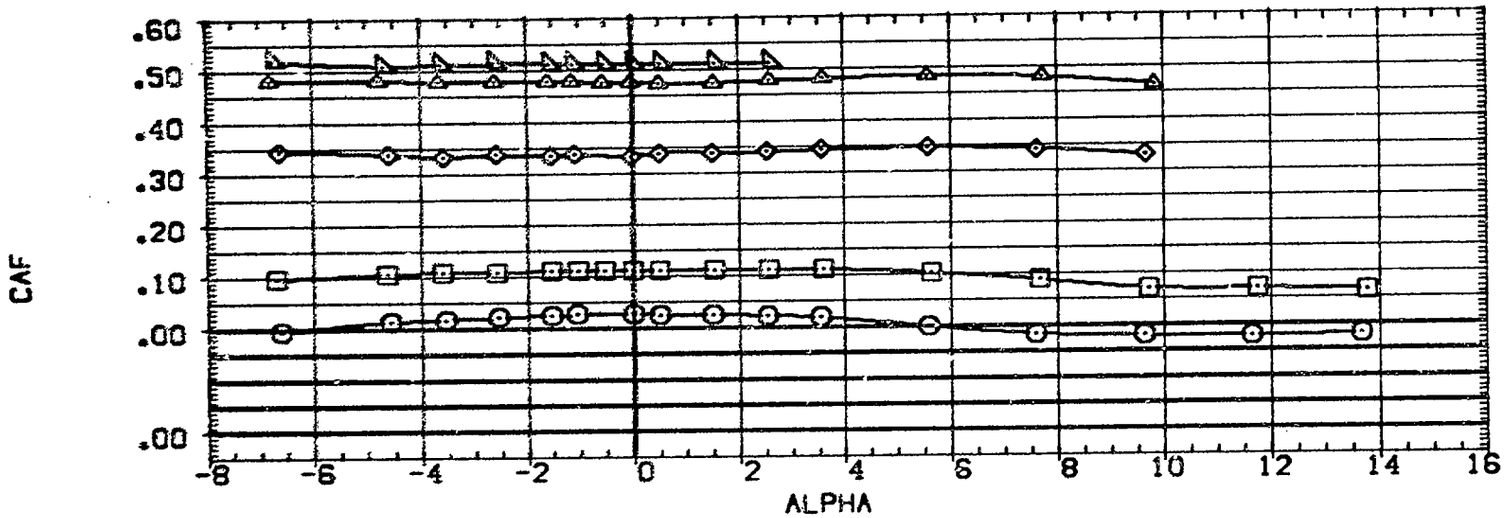
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=0.0, THETA=0.0

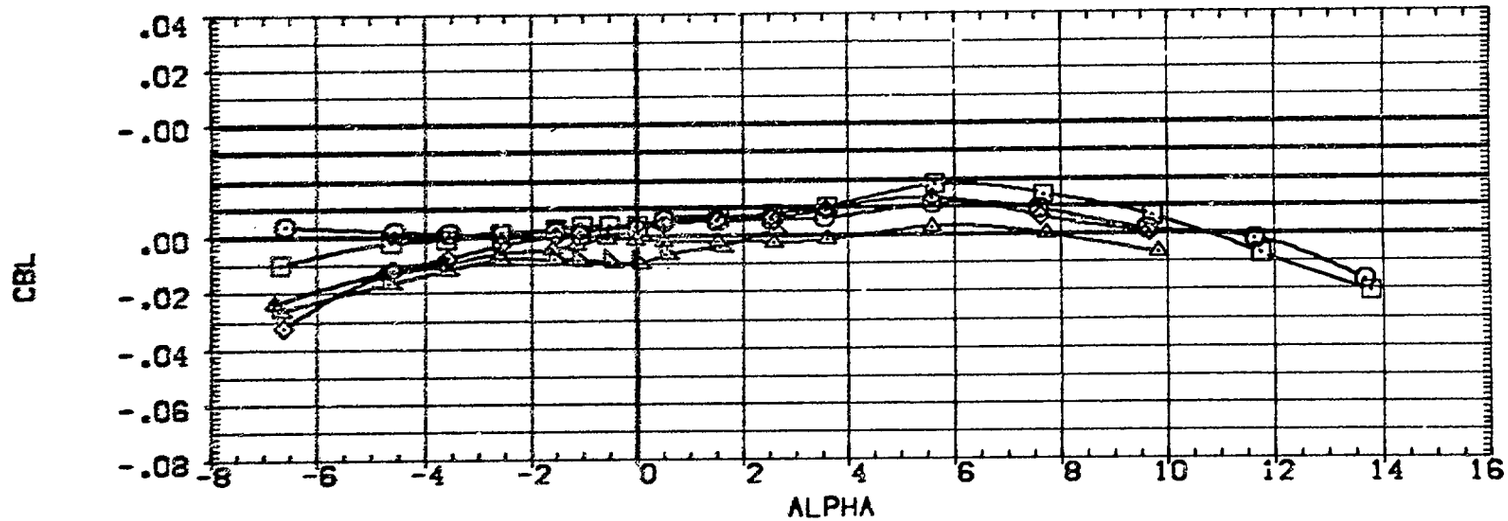
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B05)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.525	PHI	.000	FRCBRD	7.000
□	.800	LAMBDA	.000	THETA	.000
◇	1.002	CR/D	1.750	B/2D	.660
△	1.197				
▽	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





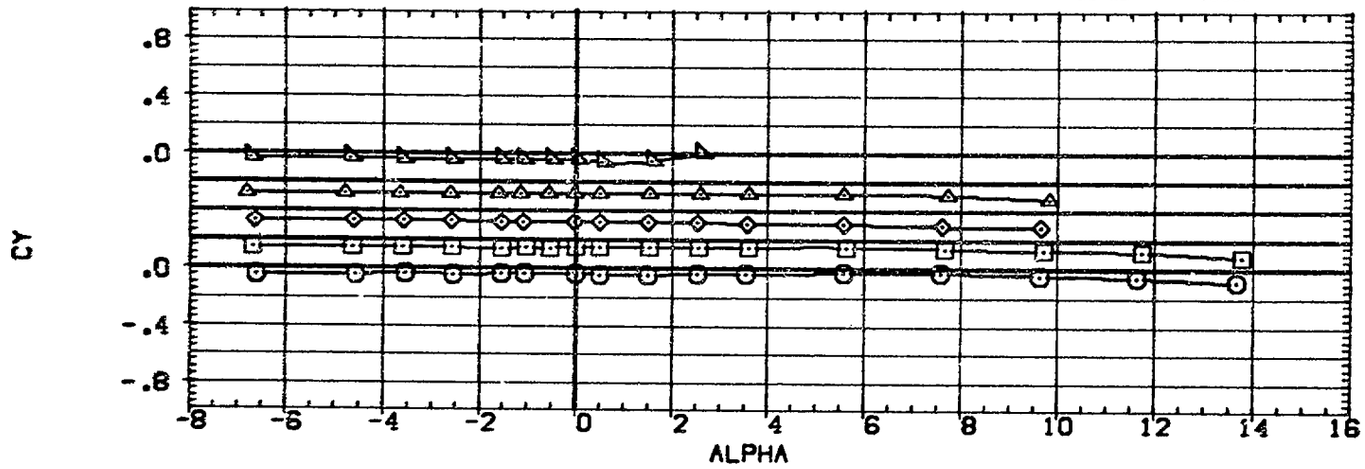
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=0.0, THETA=0.0

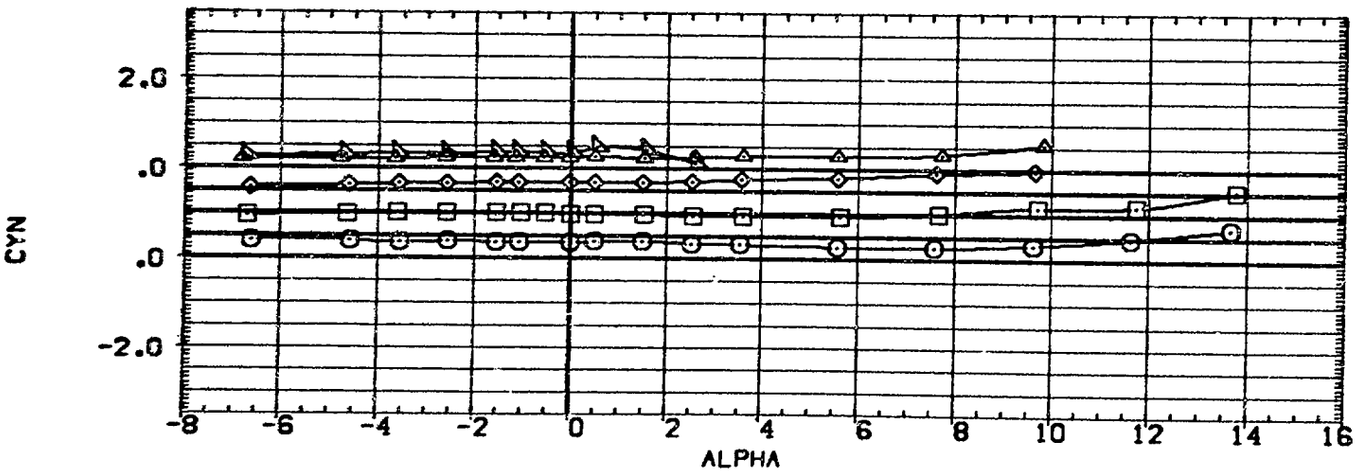
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B05)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.505	PHI	.000	FRCORD	7.000
□	.800	LAMBDA	.000	THETA	.000
◇	1.002	CR/D	1.750	B/2D	.660
△	1.197				
◁	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





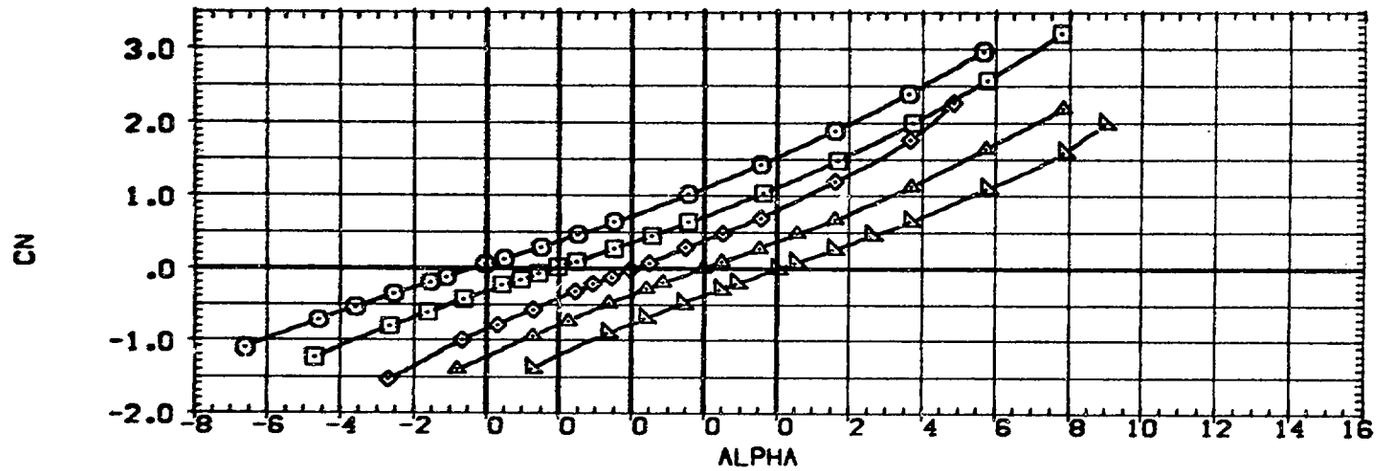
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=0.0, THETA=0.0

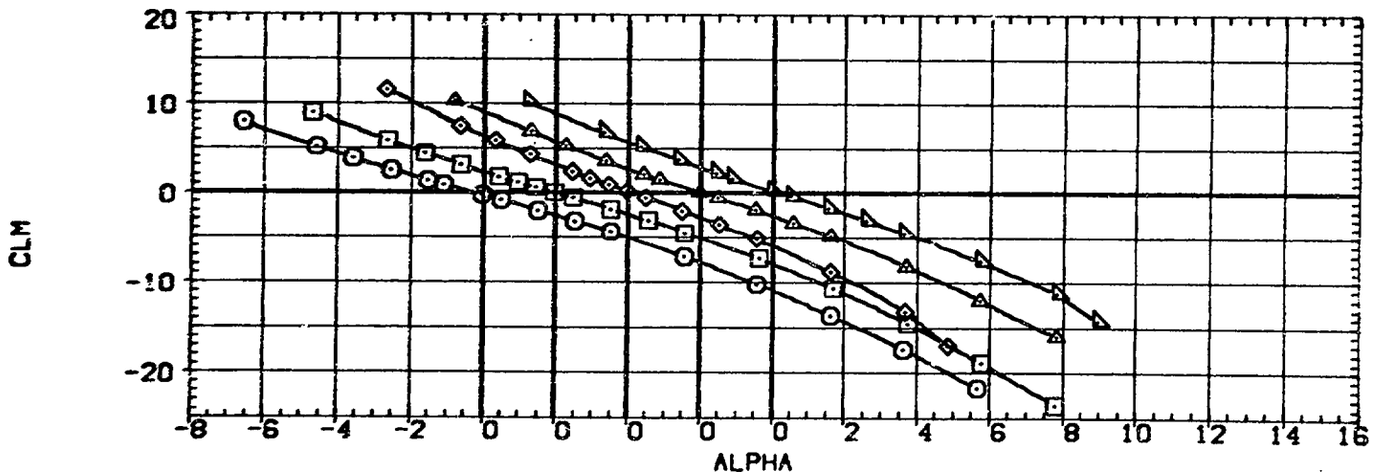
AEDC TC 273 WRAPAROUND FIN, B2F1 (AX3B30)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	.000	FRCORD	7.000
□	.801	LAMBDA	.000	THETA	.000
◇	.958	CR/D	1.750	B/2D	.660
△	1.195				
▱	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - STEP DOWN BODY, CR/D=1.75, THETA=0.0

AEDC TC 273 WRAPAROUND FIN. B2F1 (AX3B30)

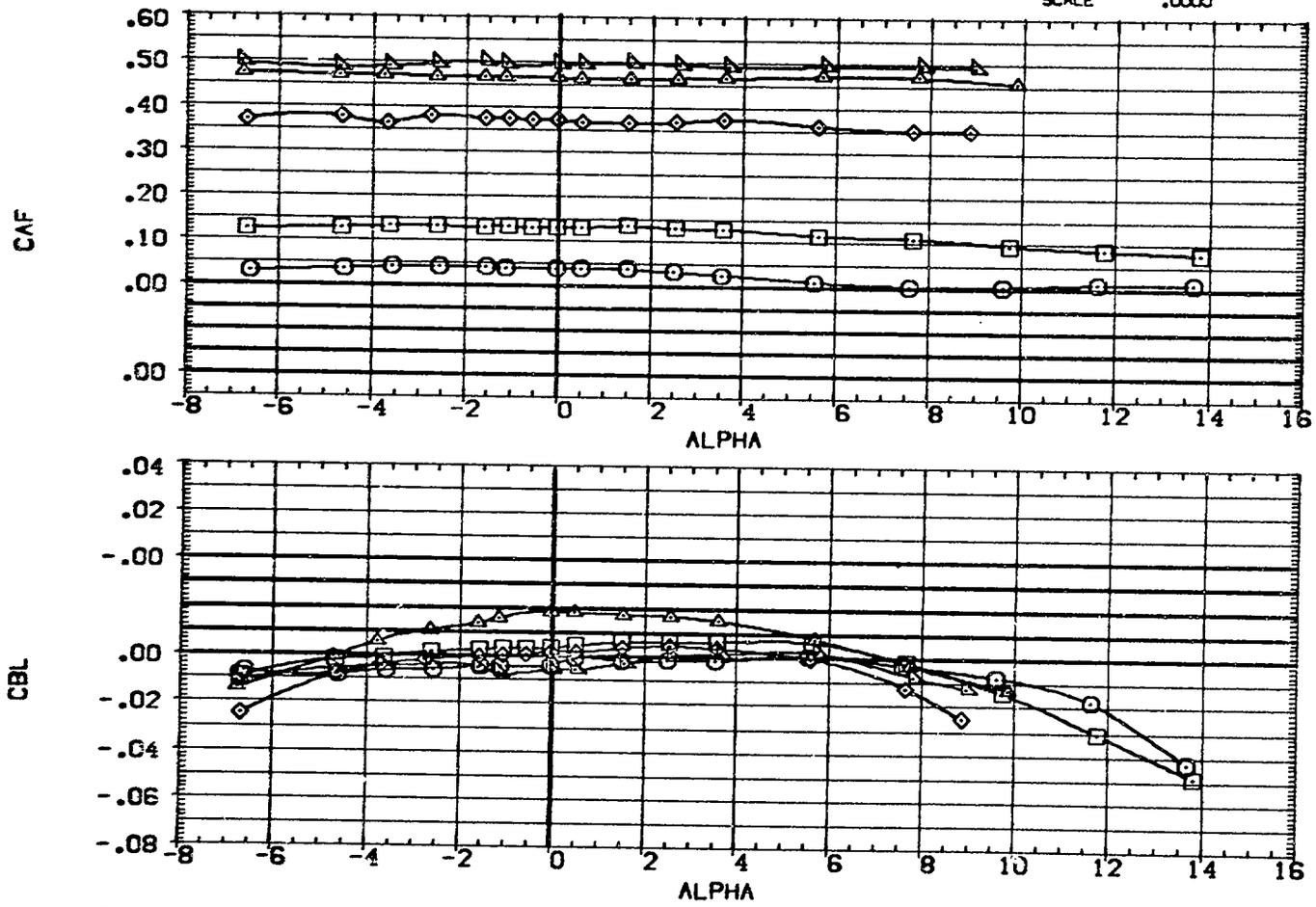
SYMBOL	MACH
○	.504
□	.801
◇	.998
△	1.195
⊿	1.298

PARAMETRIC VALUES

PHI	.000	FRCORD	7.000	
LAMBDA	.000	THETA	.000	
CR/D	1.750	B/2D	.660	

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



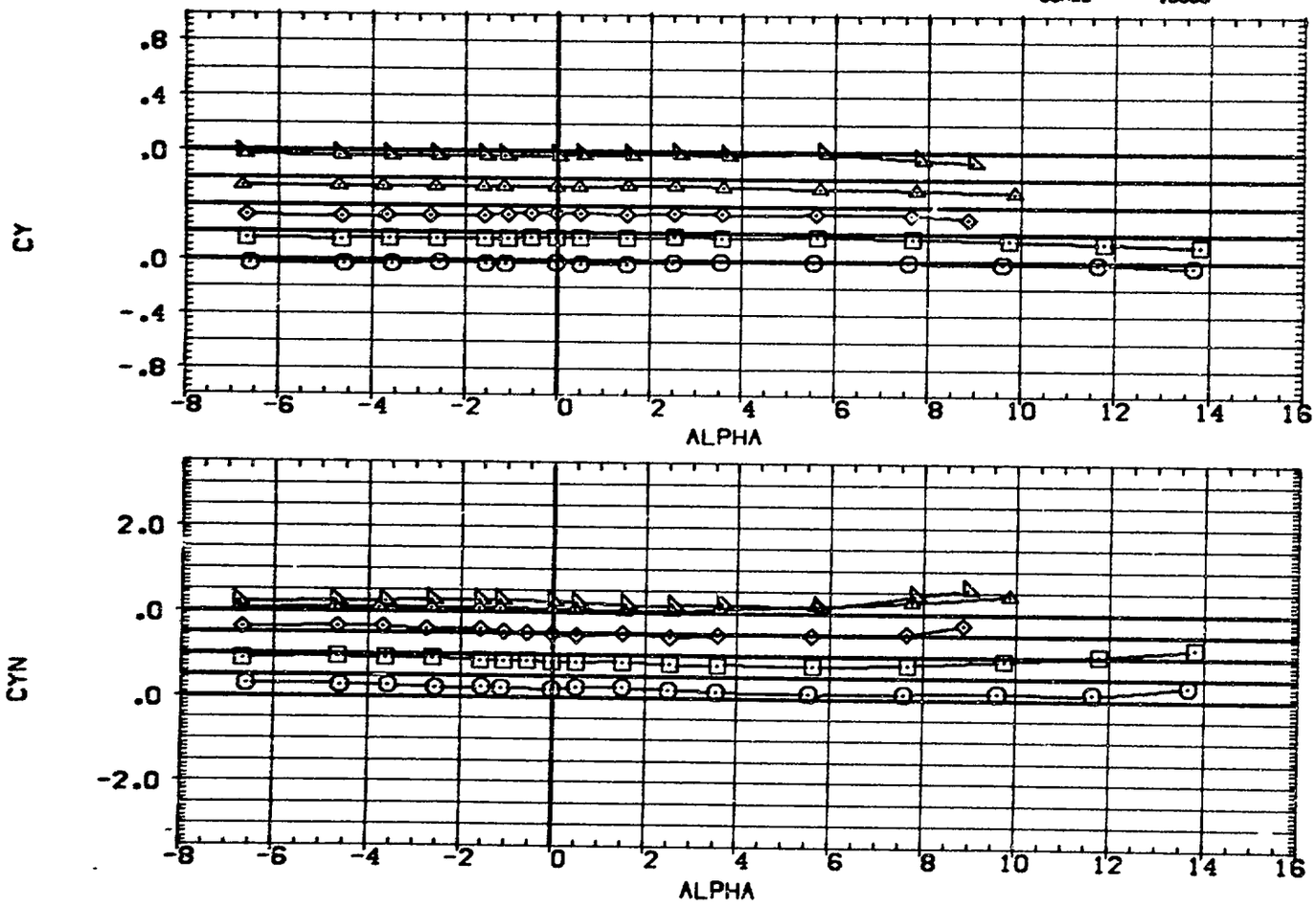
AERODYNAMIC STABILITY COEFFICIENTS - STEP DOWN BODY, CR/D=1.75, THETA=0.0

AEDC TC 273 WRAPAROUND FIN, B2F1 (AX3B30)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	.000	FRCORD	7.000
□	.801	LAMBDA	.000	THETA	.000
◇	.958	CR/D	1.750	B/2D	.660
△	1.195				
◁	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



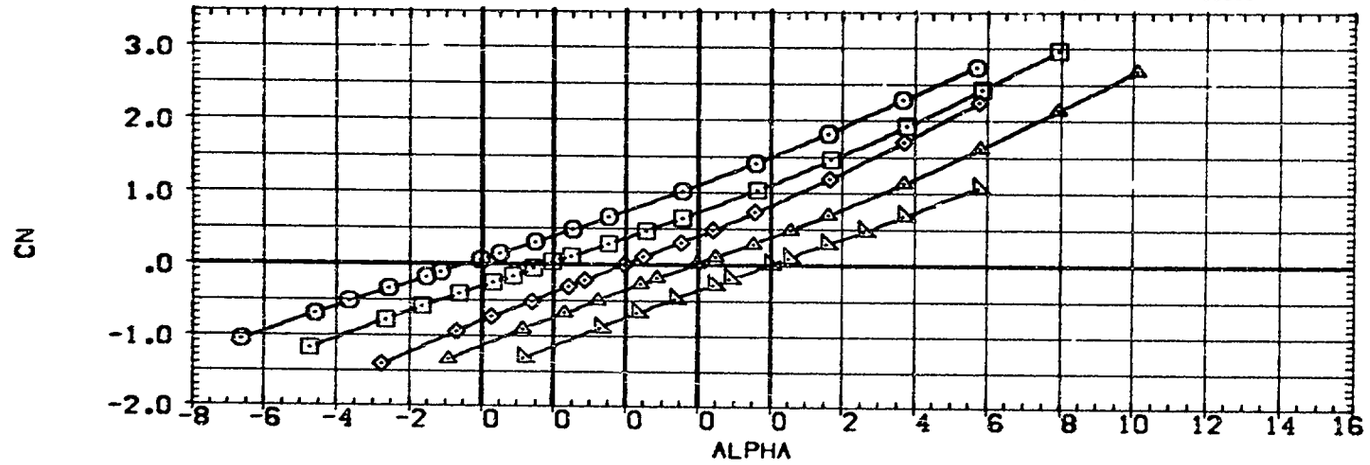
AERODYNAMIC STABILITY COEFFICIENTS - STEP DOWN BODY, CR/D=1.75, THETA=0.0

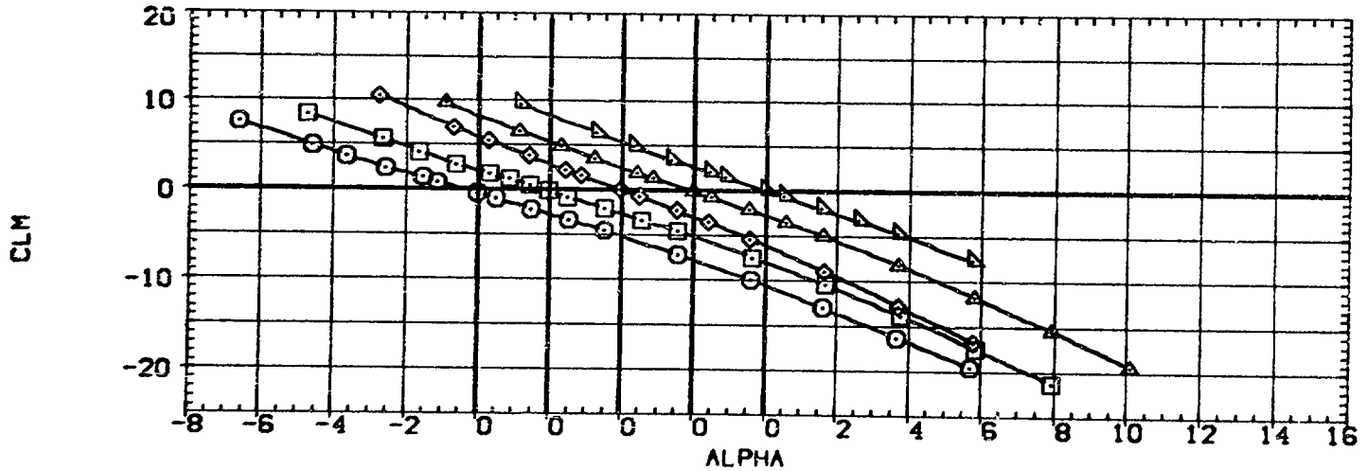
AEDC TC 273 WRAPAROUND FIN, B2F1 (AX3831)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCORG	7.000
□	.801	LAMBDA	.000	THETA	.000
◇	.996	CR/D	1.750	B/2D	.660
△	1.202				
▽	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - STEP DOWN BODY, CR/D=1.75, THETA=0.0

AEDC TC 273 WRAPAROUND FIN, B2F1 (AX3B31)

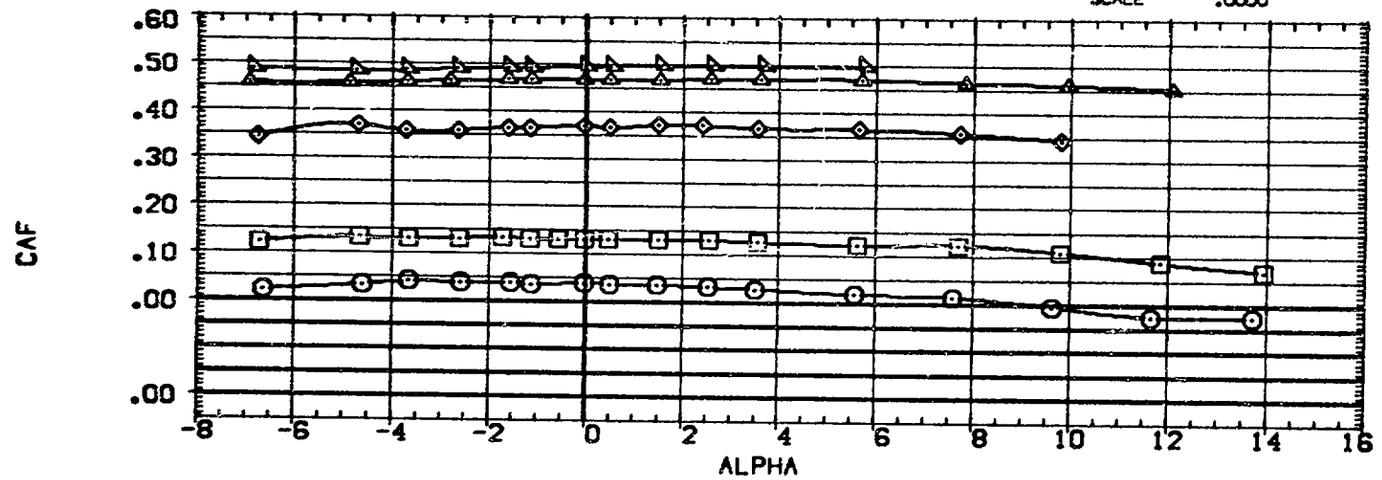
SYMBOL	MACH
○	.505
□	.801
◇	.956
△	1.202
◁	1.298

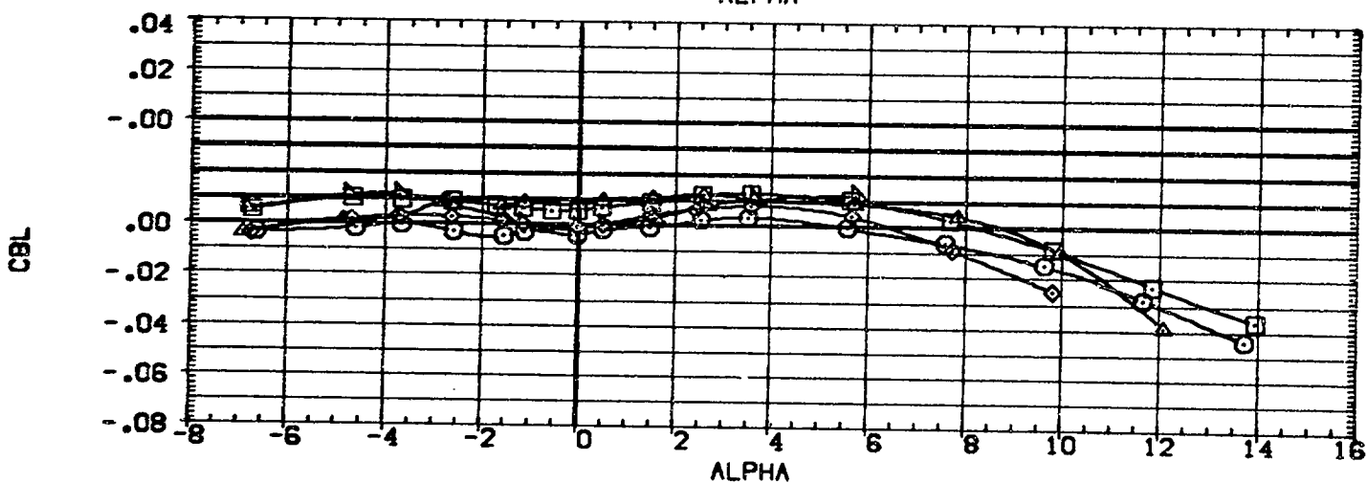
PARAMETRIC VALUES

PHI	45.000	FRCORD	7.000
LAMBDA	.000	THETA	.000
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





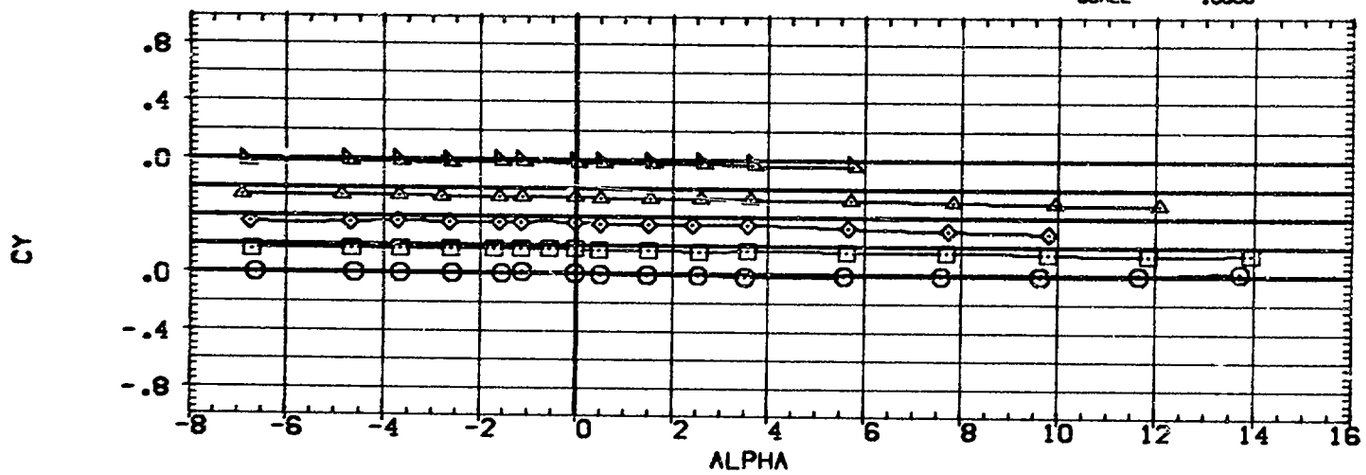
AERODYNAMIC STABILITY COEFFICIENTS - STEP DOWN BODY, CR/D=1.75, THETA=0.0

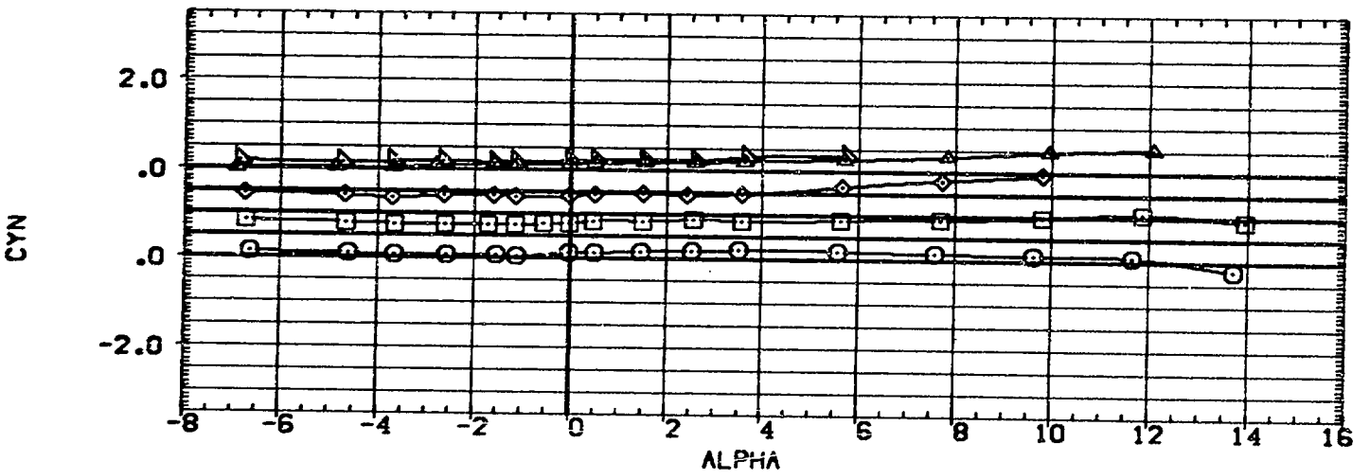
AEDC TC 273 WRAPAROUND FIN, B2F1 (AX3B31)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCORD	7.000
□	.801	LAMBDA	.000	THETA	.000
◇	.956	CR/D	1.750	B/2D	.660
△	1.202				
◁	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - STEP DOWN BODY, CR/D=1.75, THETA=0.0

AEDC TC 273 WRAPAROUND FIN B1F14 (AX3806)

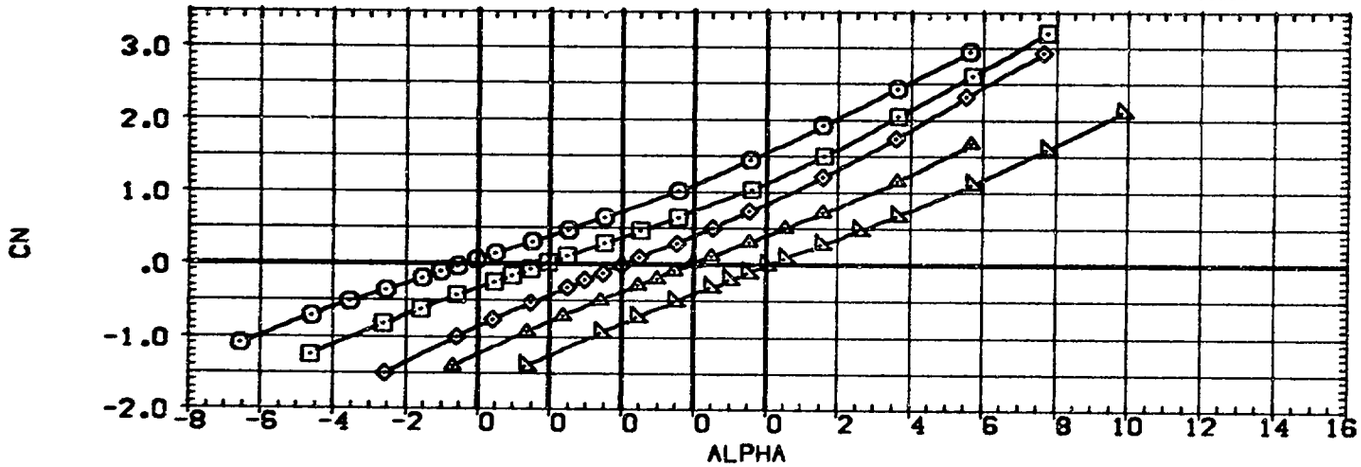
SYMBOL	MACH
○	.503
□	.799
◇	.997
△	1.199
◁	1.298

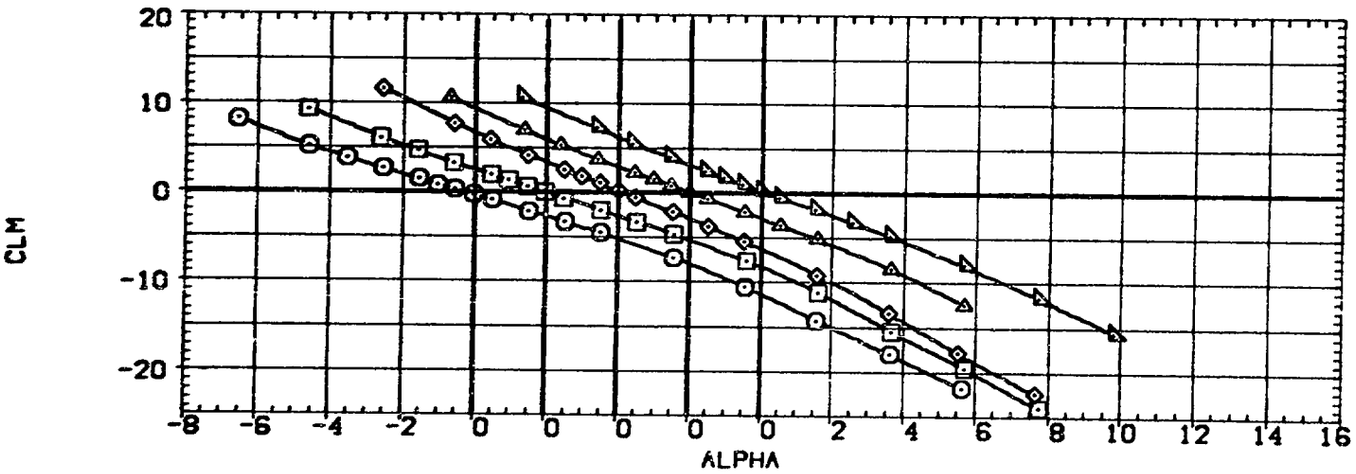
PARAMETRIC VALUES

PHI	.000	FRCORD	7.000	
LAMBDA	46.900	THETA	.000	
CR/D	1.750	B/2D	.660	

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F14 (AX3B06)

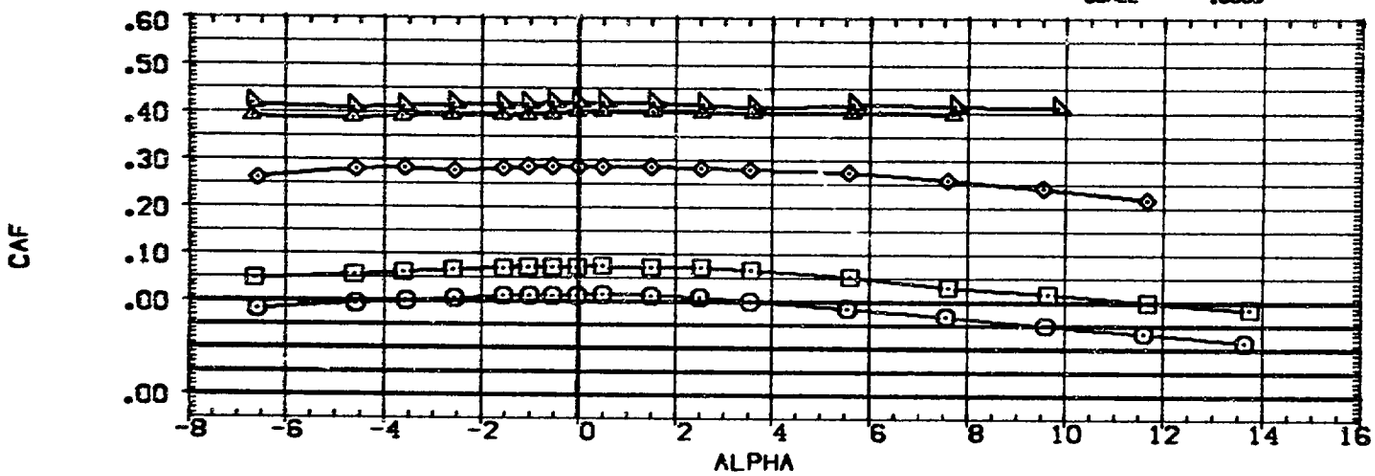
SYMBOL	MACH
○	.503
□	.799
◇	.957
△	1.199
◁	1.298

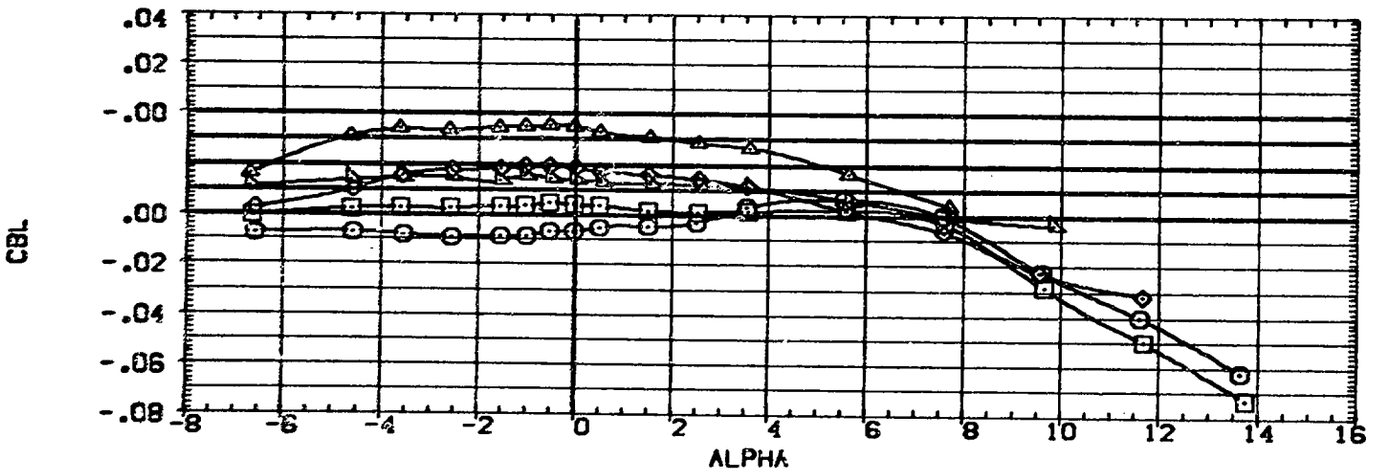
PARAMETRIC VALUES

PHI	.000	FRCORD	7.000	
LAMBDA	46.900	THETA	.000	
CR/D	1.750	B/2D	.660	

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=46.9

AEDC TC 273 WR: PAROUND FIN B1F14 (AX3B06)

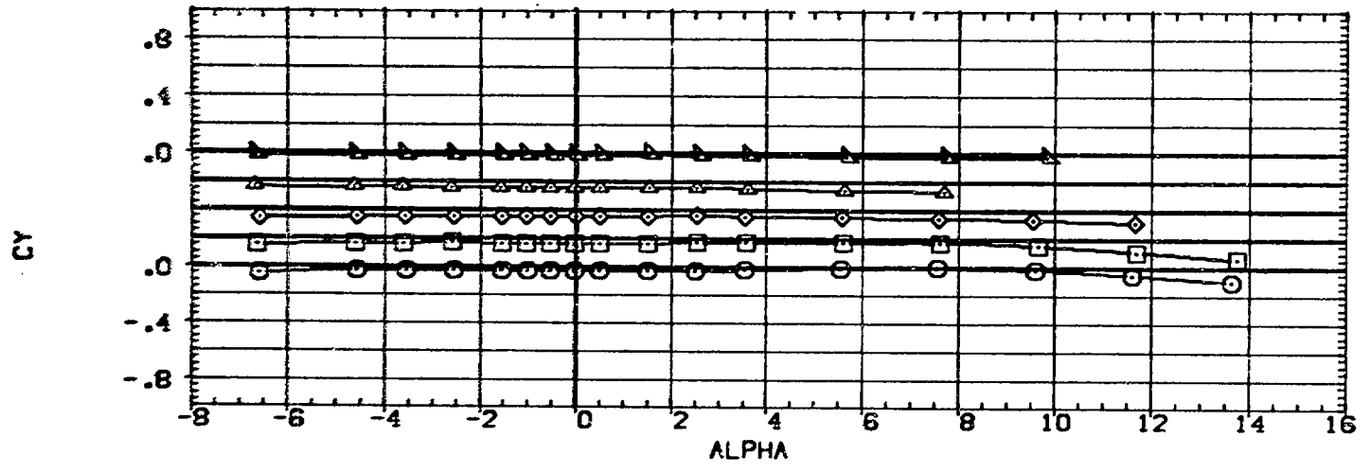
SYMBOL	MACH
□	.503
◇	.759
△	.857
▷	1.199
◁	1.298

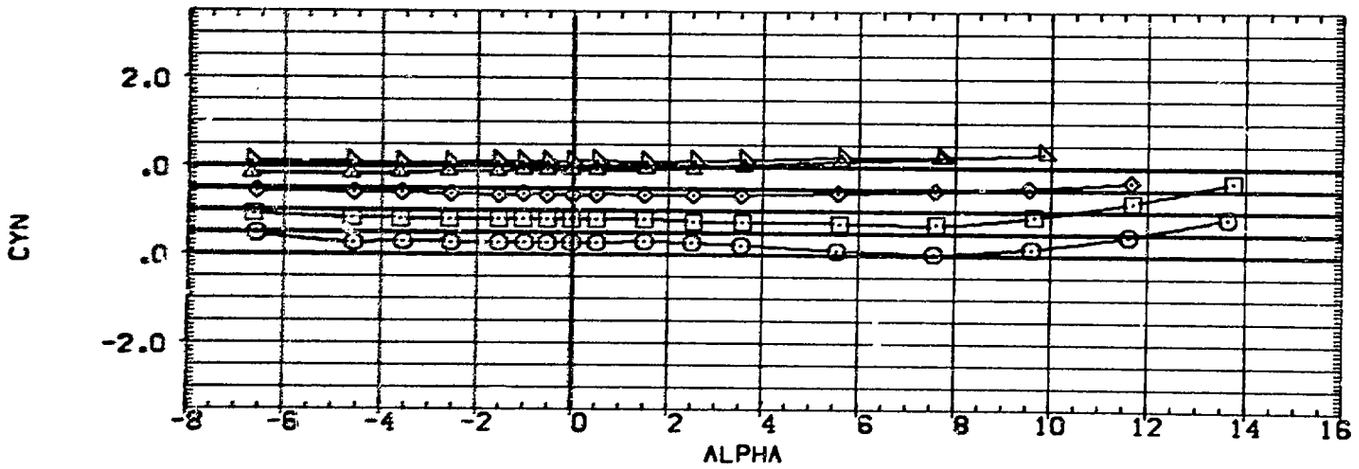
PARAMETRIC VALUES

PHI	.000	FRCORD	7.000
ALPHA	46.900	THETA	.000
CR/D	1.750	B/2D	.850

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





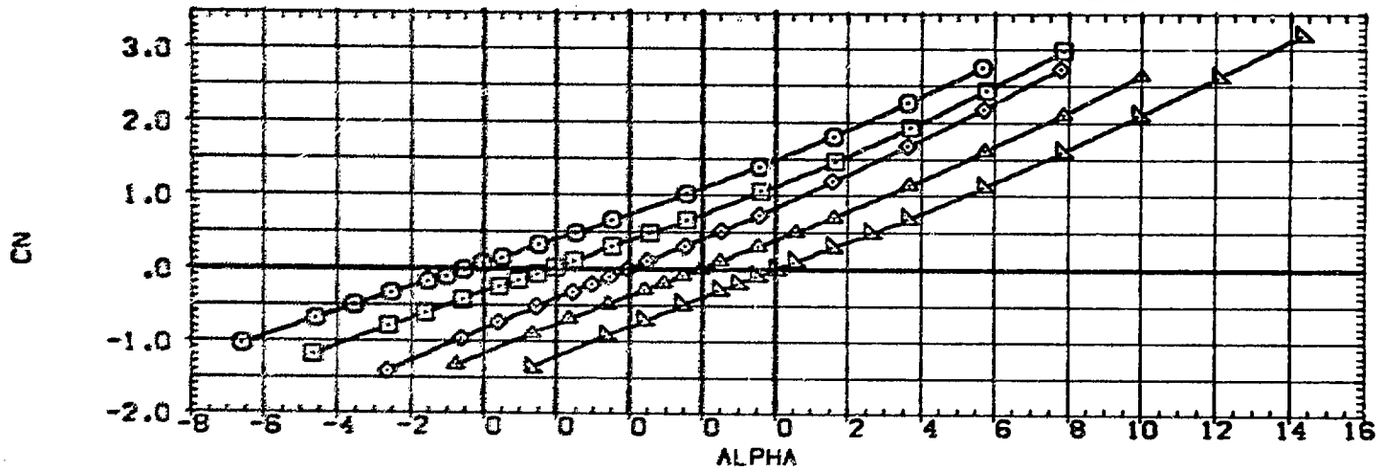
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=46.9

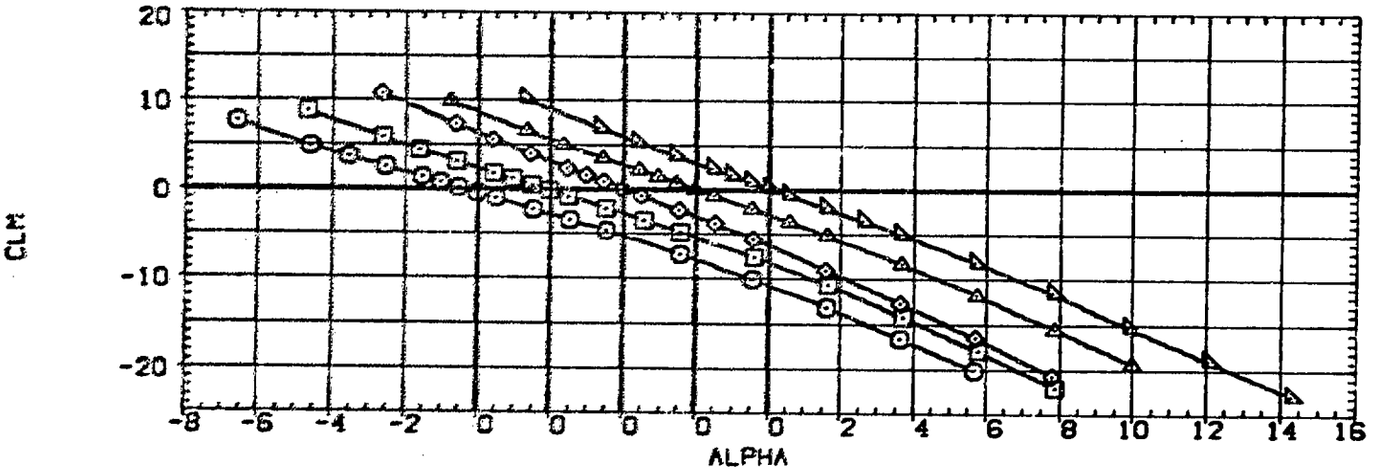
AEDC TC 273 WRAPAROUND FIN B1F14 (AX3B07)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.502	PHI	45.000	FROMO	7.000
□	.799	LAMBDA	46.900	THETA	.000
◇	1.002	CR/D	1.750	B/2D	.660
▷	1.200				
△	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





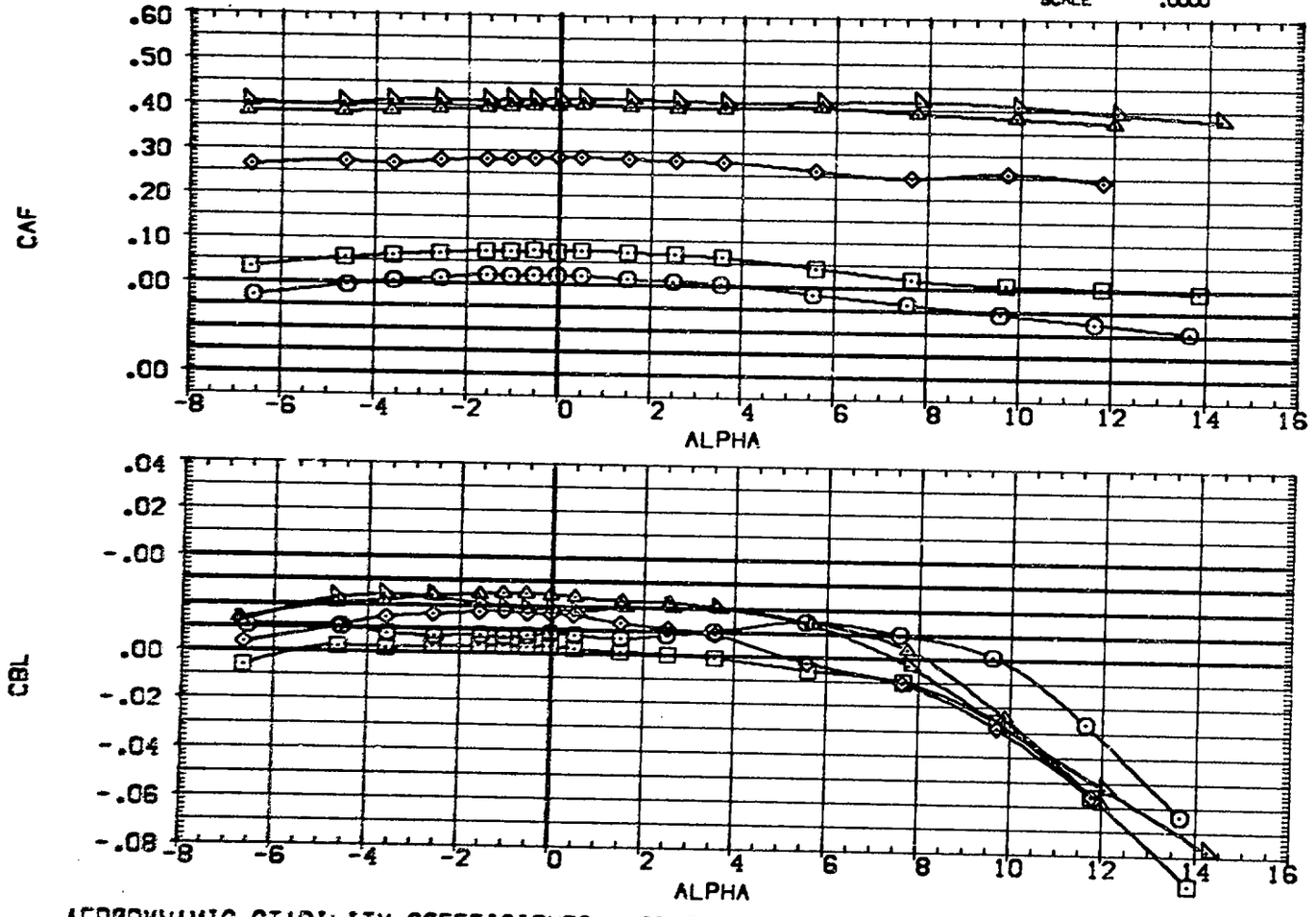
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F14 (AX3B07)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.502	PHI	45.000	FRCORD	7.000
□	.799	LAMBDA	46.800	THETA	.000
◇	1.002	CR/D	1.750	B/2D	.660
△	1.200				
▱	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



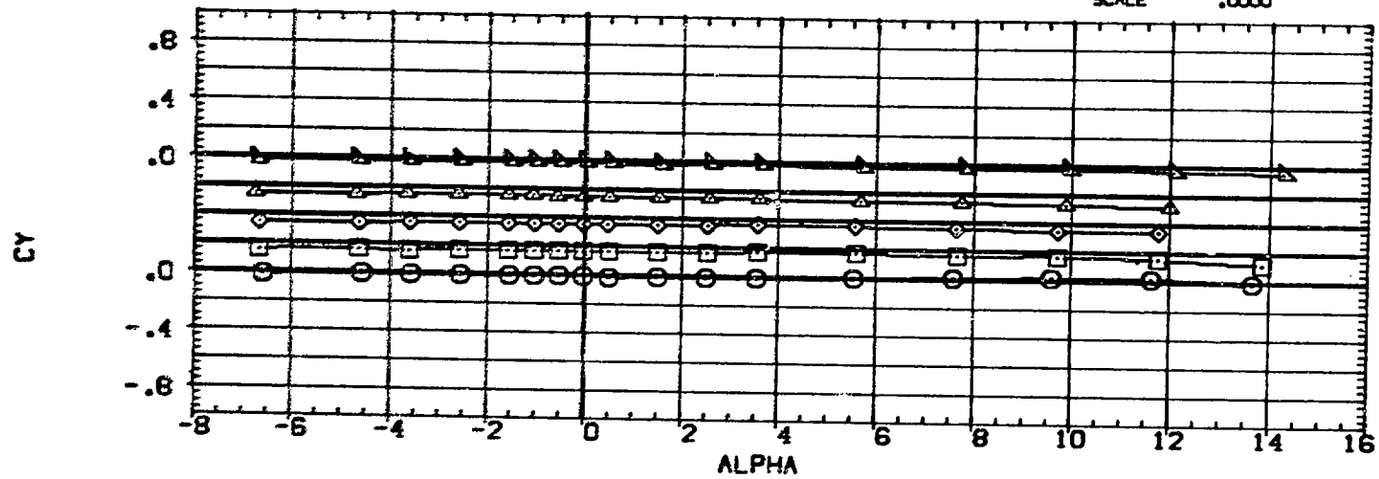
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=46.9

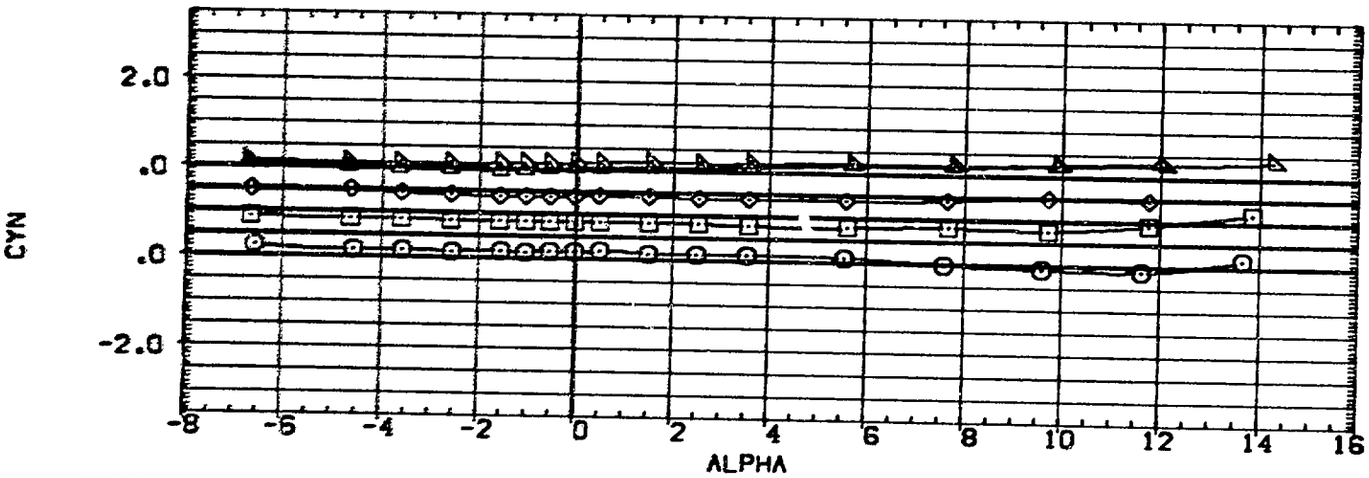
AEDC TC 273 WRAPAROUND FIN B1F14 (AX3B07)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.502	PHI	45.000	FRORD	7.000
□	.799	LAMBDA	46.900	THETA	.000
◇	1.002	CR/D	1.750	B/2D	.660
△	1.200				
▽	1.296				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F17 (AX3808)

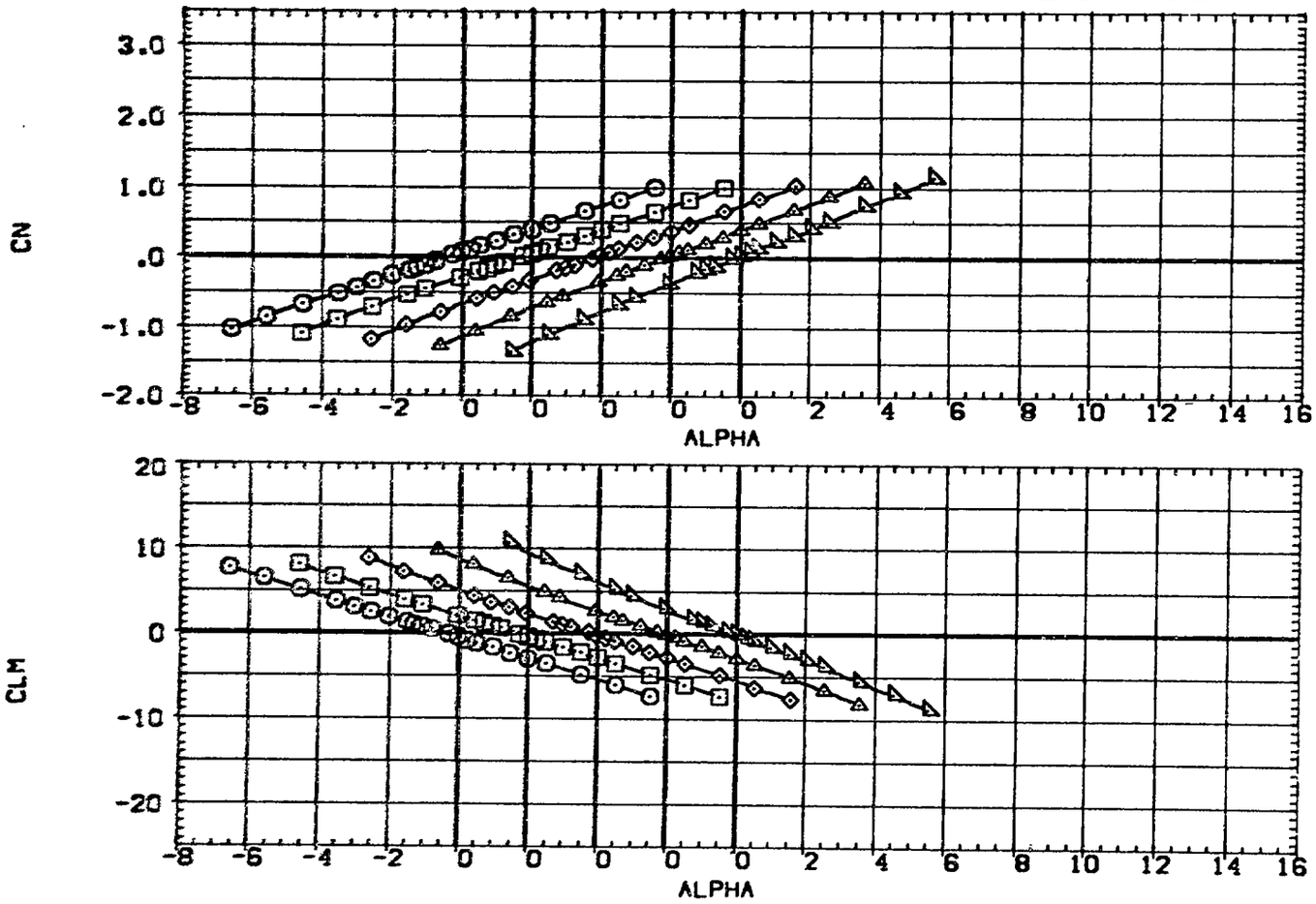
SYMBOL	MACH
○	.501
□	.602
◇	.800
△	.855
◁	.947

PARAMETRIC VALUES

PHI	.000	FRCORD	7.000	
LAMBDA	60.000	THETA	.000	
CR/D	1.750	B/2D	.660	

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



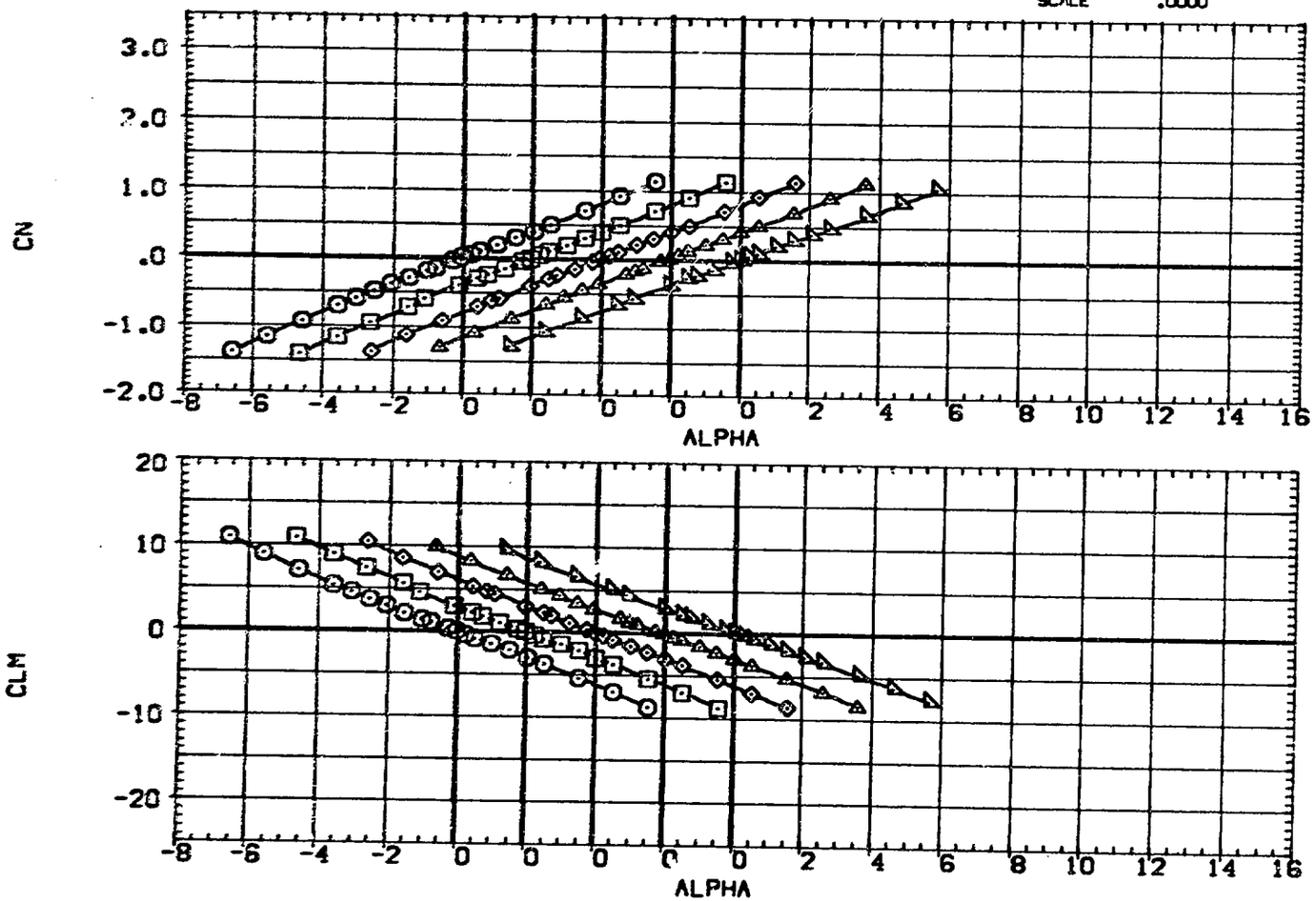
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

AEDC TC 273 WRAPAROUND FIN B1F17 (AX3B08)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	.000	FRCORD	7.000
□	1.055	LAMBDA	60.000	THETA	.000
◇	1.098	CR/D	1.750	B/2D	.660
△	1.196				
◁	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



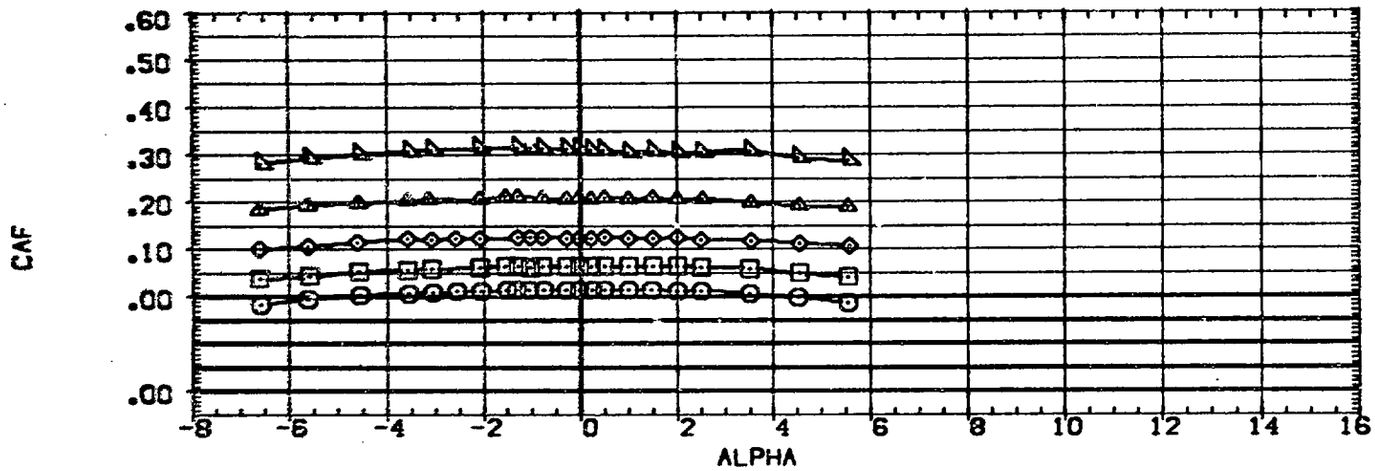
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

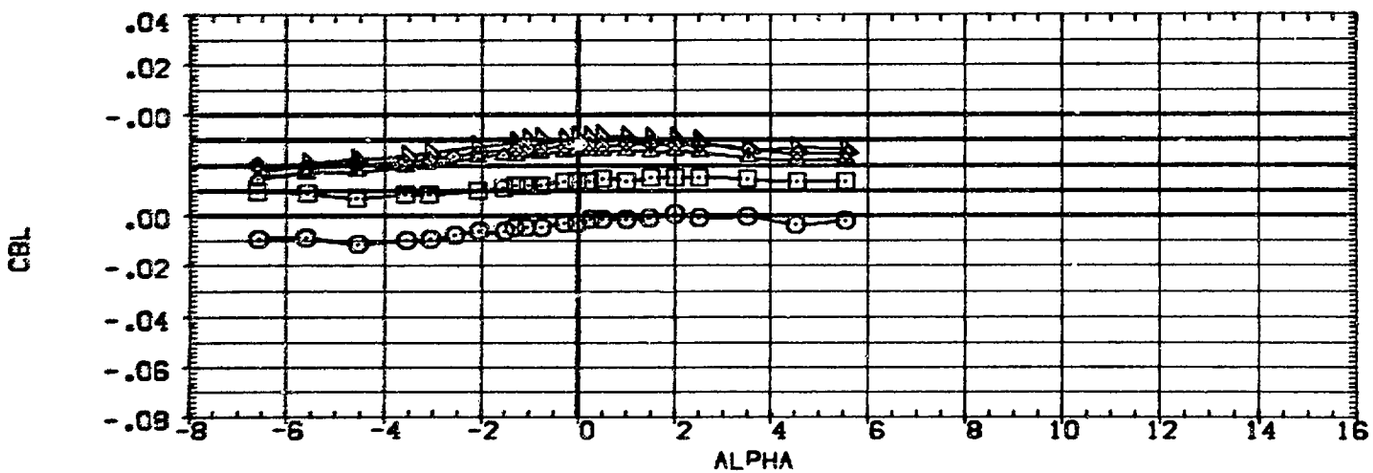
AEDC TC 273 WRAPAROUND FIN B1F17 (AX3808)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.531	PHI	.000	FF ZERO	7.000
□	.622	LAMBDA	60.000	THETA	.000
◇	.800	CR/D	1.750	B/2D	.660
△	.895				
△	.947				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

AEDC TC 273 WRAPAROUND FIN B1F17 (AX3B08)

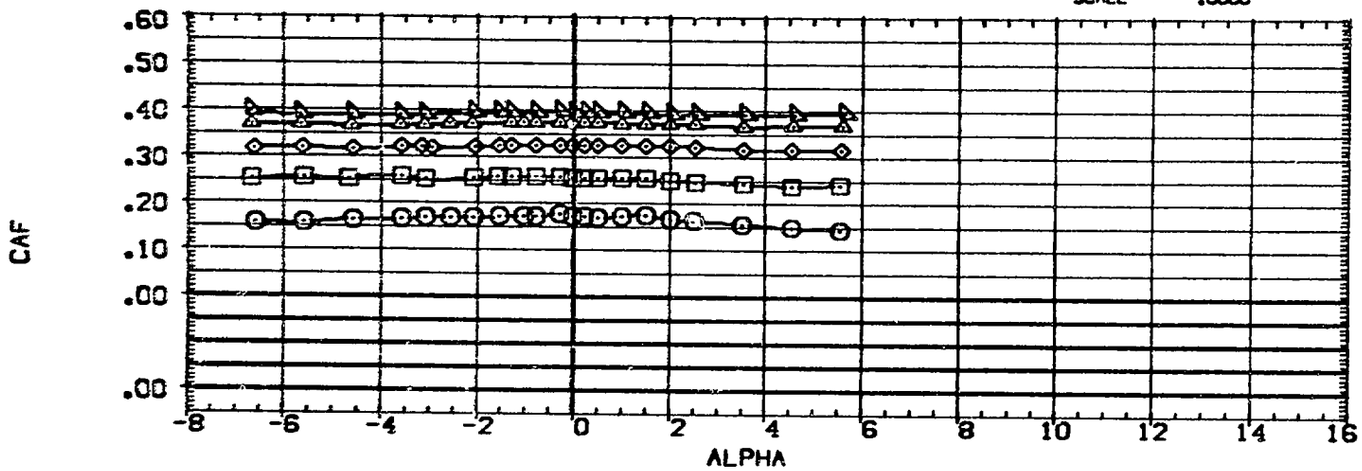
SYMBOL	MACH
□	1.000
○	1.055
◇	1.098
△	1.195
◁	1.297

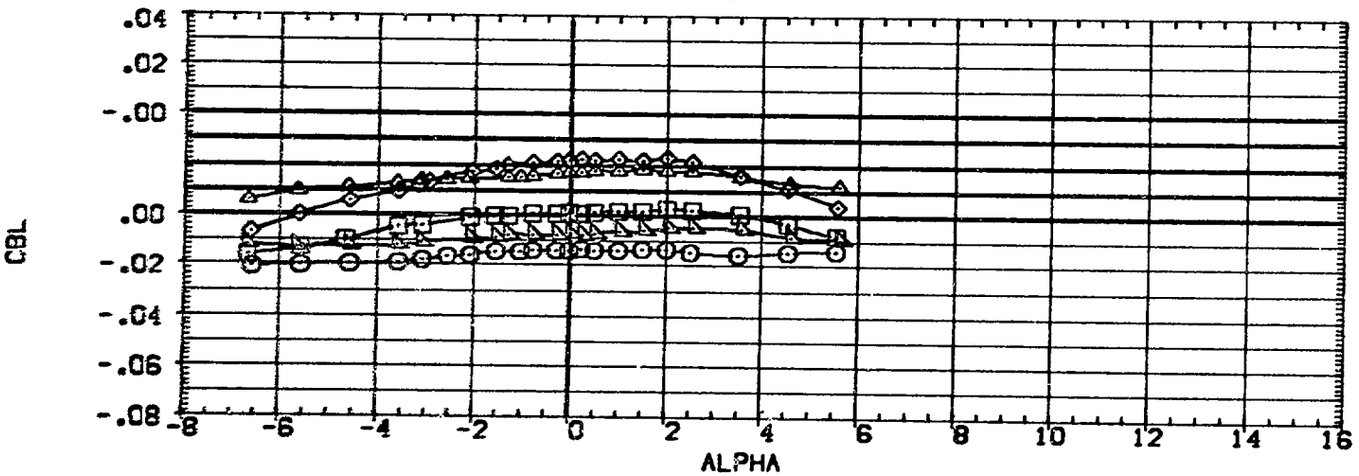
PARAMETRIC VALUES

PHI	.000	FRCORD	7.000	
LAMBDA	60.000	THETA	.000	
CR/D	1.750	B/2D	.660	

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





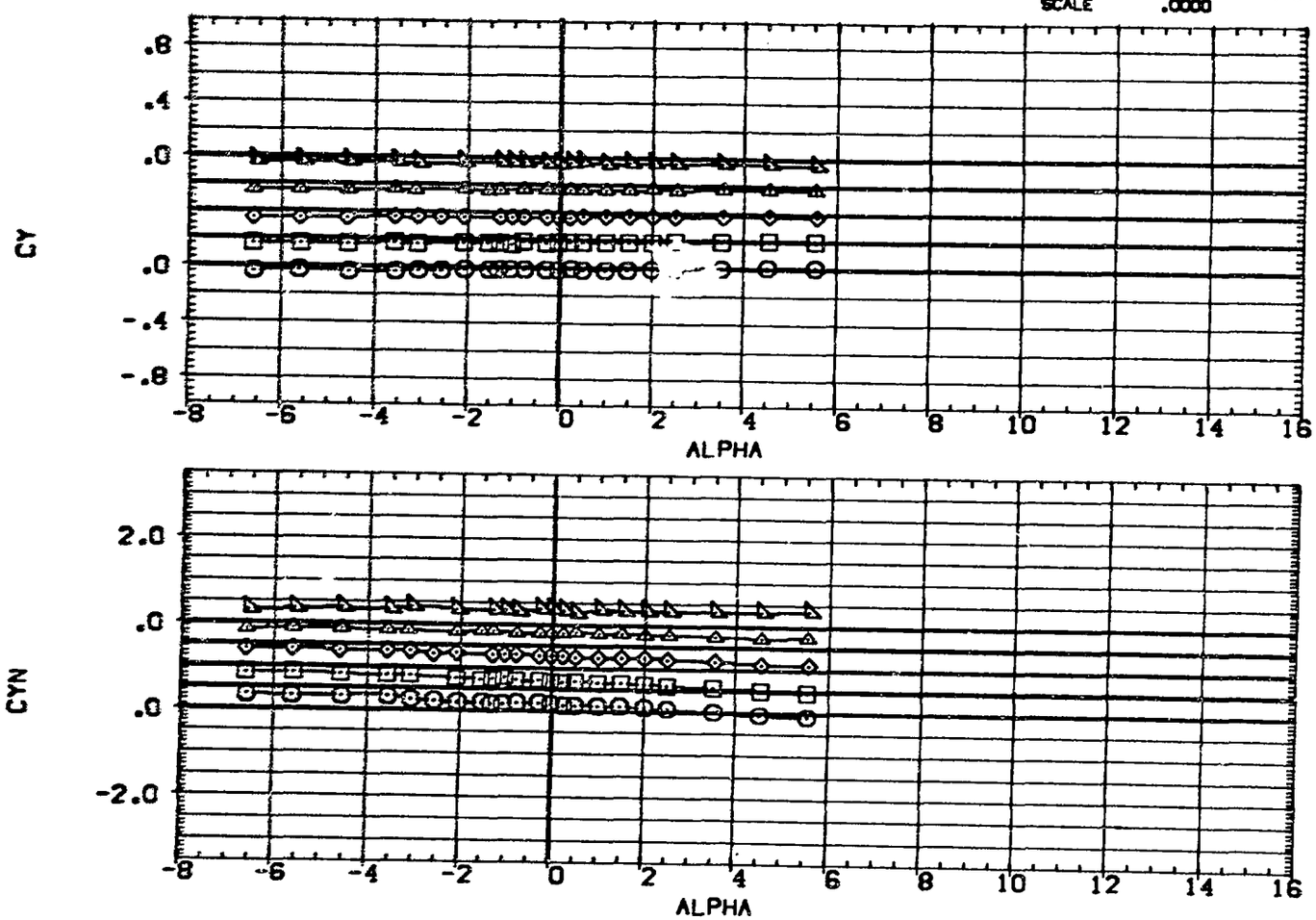
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

AEDC TC 273 WRAPAROUND FIN BIF17 (AX3B08)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	.000	FRCORD	7.000
□	.602	LAMBDA	60.000	THETA	.000
◇	.800	CR/D	1.750	B/2D	.660
△	.895				
▽	.947				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



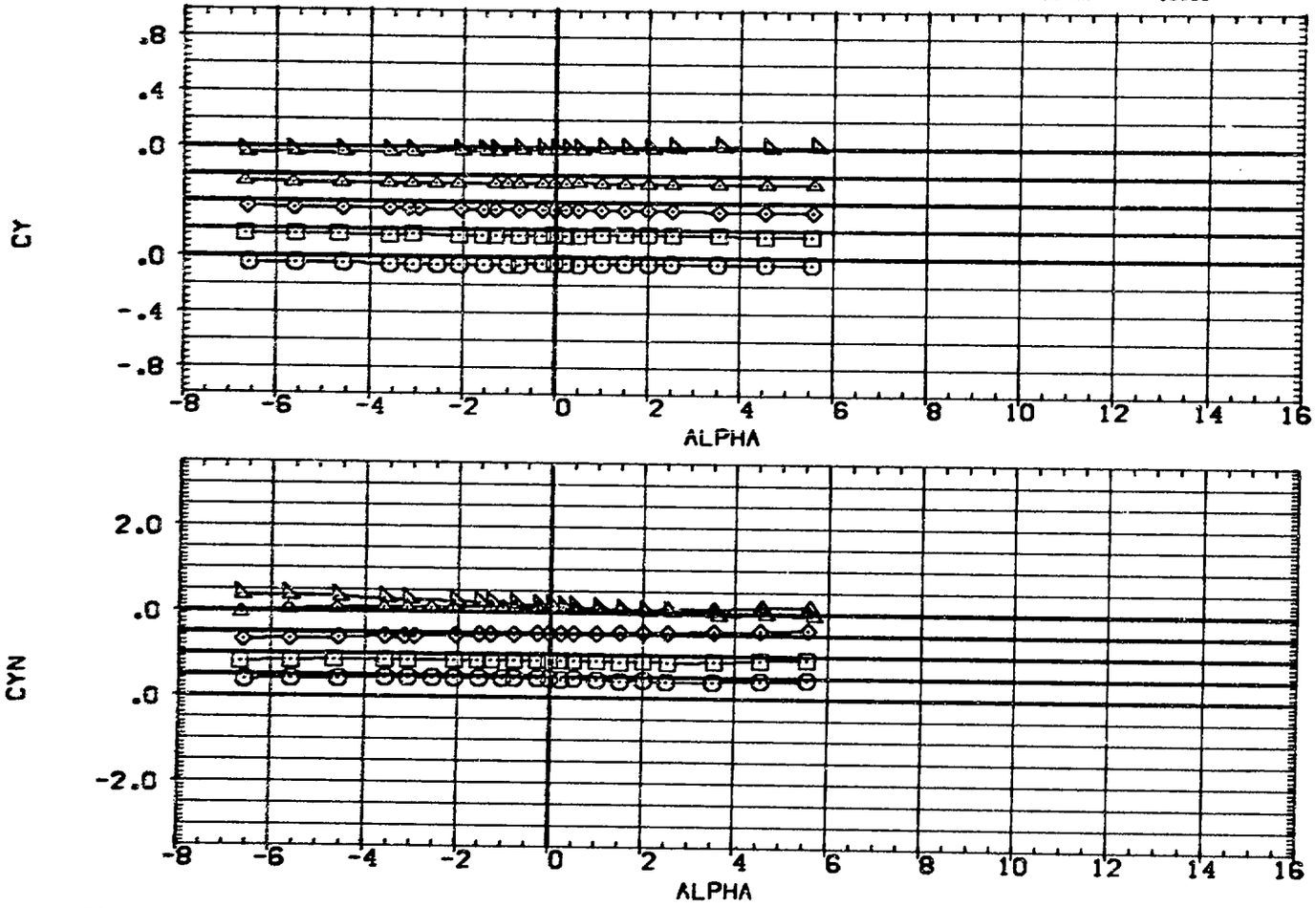
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

AEDC TC 273 WRAPAROUND FIN B1F17 (AX3B08)

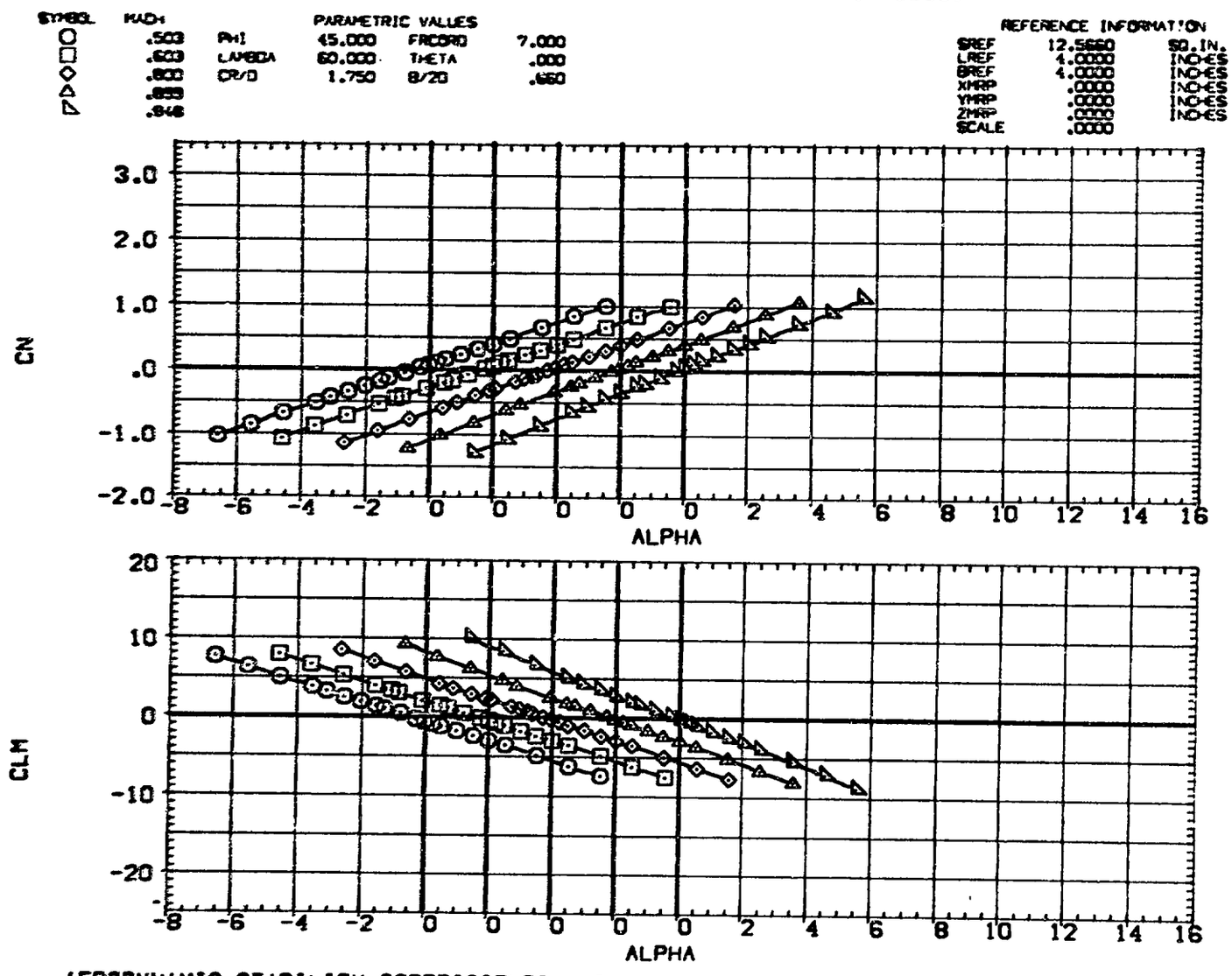
SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	.000	FRCORD	7.000
△	1.055	LAMBDA	60.000	THETA	.000
◇	1.098	CR/D	1.750	B/2D	.660
▷	1.196				
□	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0



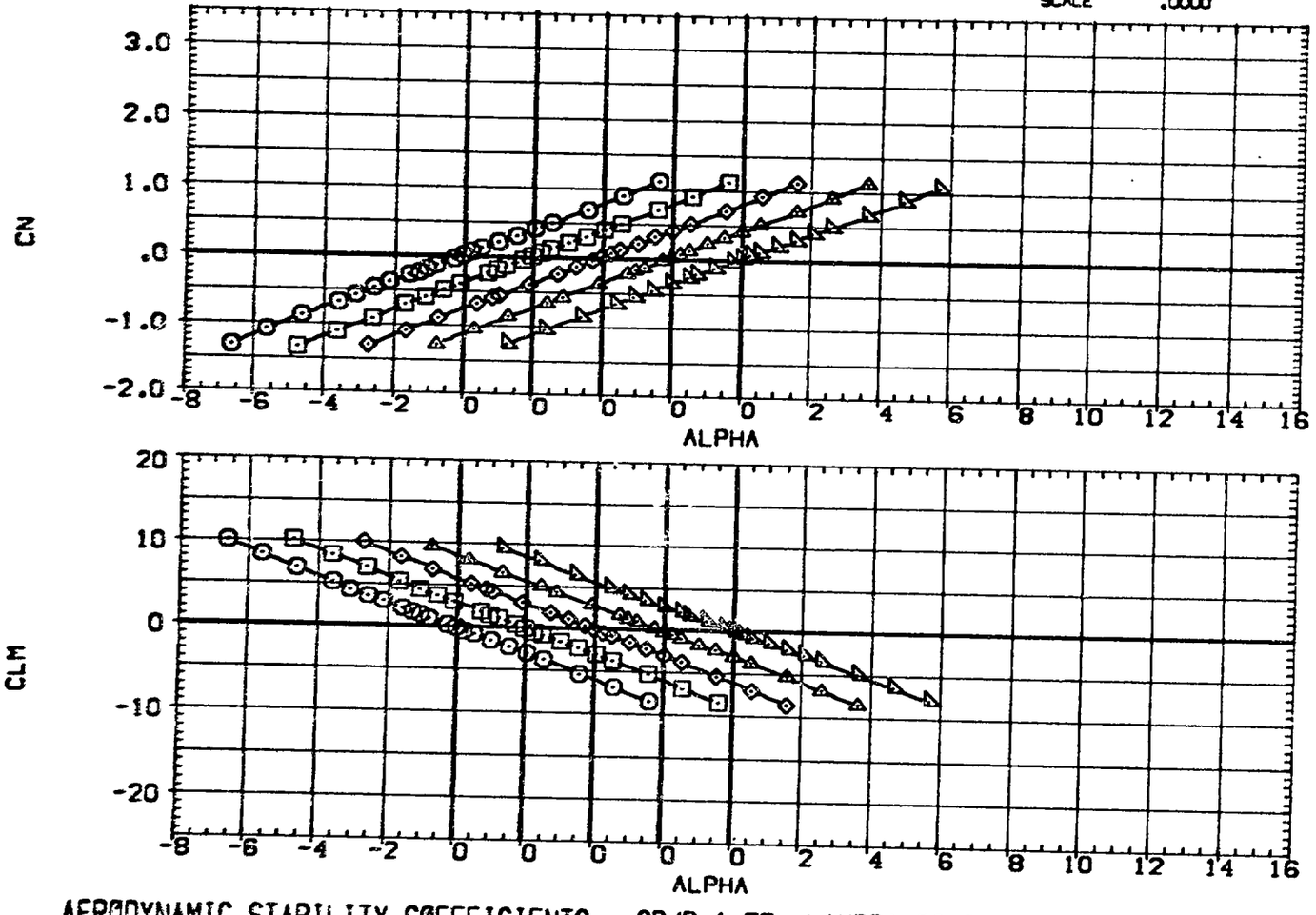
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

AEDC TC 273 WRAPAROUND FIN B1F17 (AX3B09)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.000	PHI	45.000	FRCORD	7.000
□	1.047	LAMBDA	60.000	THETA	.000
◇	1.103	CR/D	1.750	B/2D	.660
◁	1.198				
△	1.296				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



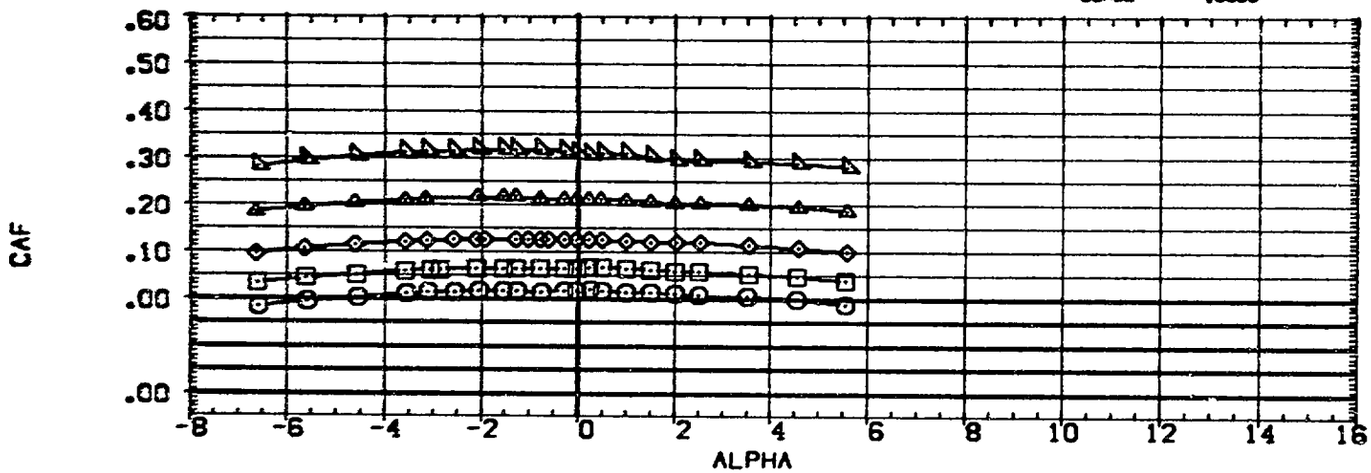
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

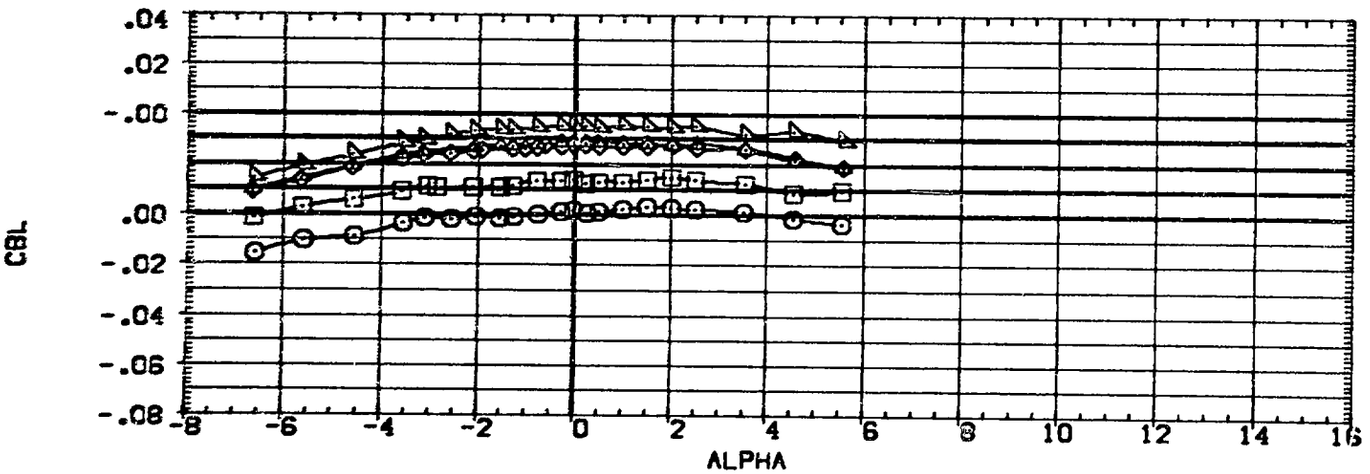
AEDC TC 273 WRAPAROUND FIN B1F17 (AX3B09)

SYMBOL	MACH		PARAMETRIC VALUES		
O	.503	PHI	45.000	FRCORD	7.000
□	.603	LAMBDA	60.000	THETA	.000
◇	.800	CR/D	1.750	B/2D	.660
△	.899				
	.948				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.00000	INCHES
BREF	4.00000	INCHES
XMRP	.00000	INCHES
YMRP	.00000	INCHES
ZMRP	.00000	INCHES
SCALE	.0000	





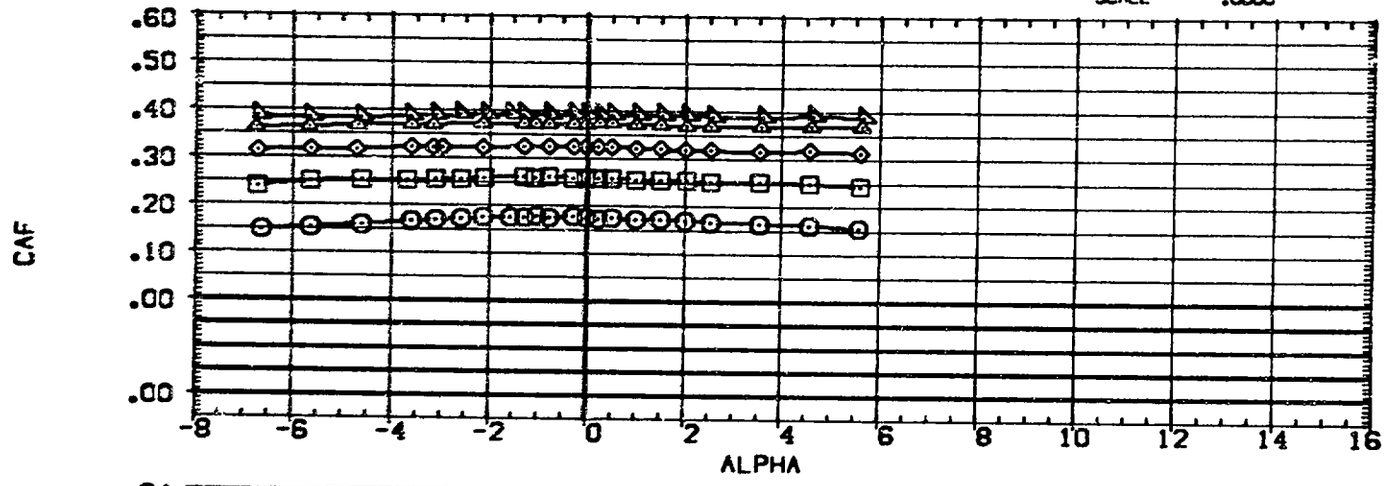
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

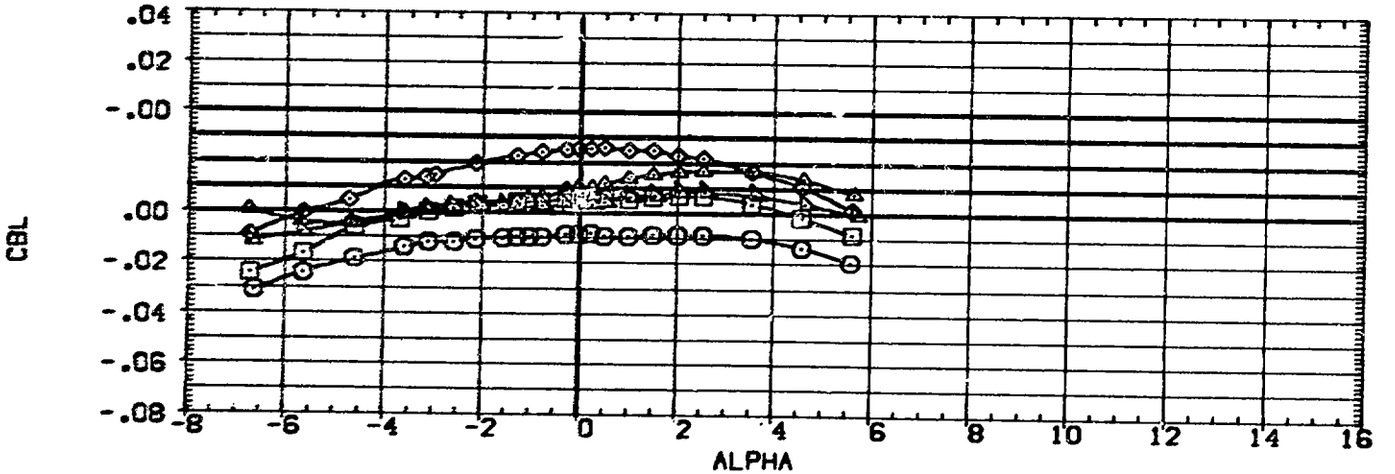
AEDC TC 273 WRAPAROUND FIN BIF17 (AX3809)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	45.000	FRCORD	7.000
□	1.047	LAMBDA	60.000	THETA	.000
◇	1.103	CR/D	1.750	B/2D	.660
△	1.199				
◁	1.256				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





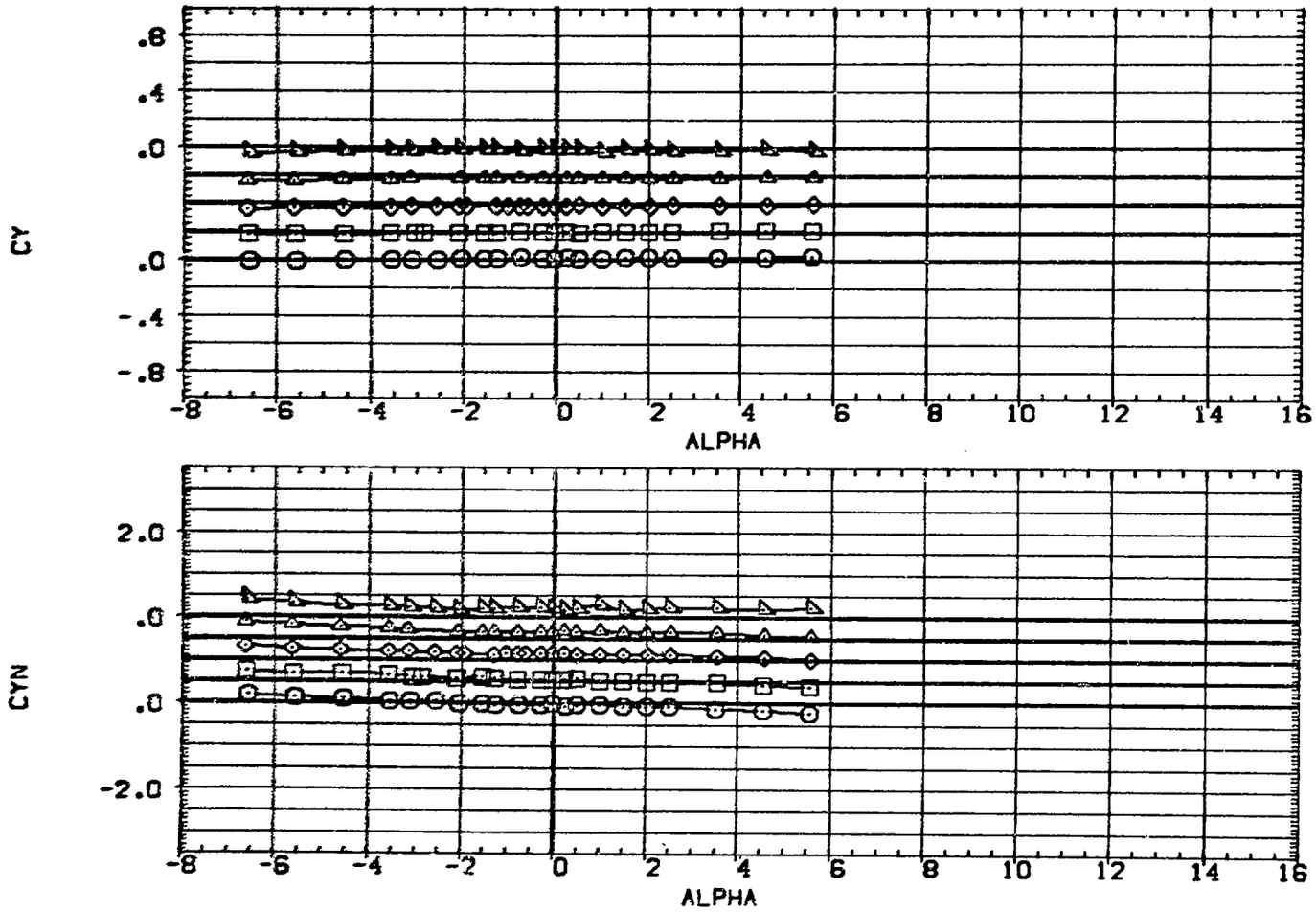
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

AEDC TC 273 WRAPAROUND FIN B1F17 (AX3B09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCORD	7.000
□	.603	LAMBDA	60.000	THETA	.000
◇	.800	CR/D	1.750	B/2D	.660
△	.895				
◁	.948				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



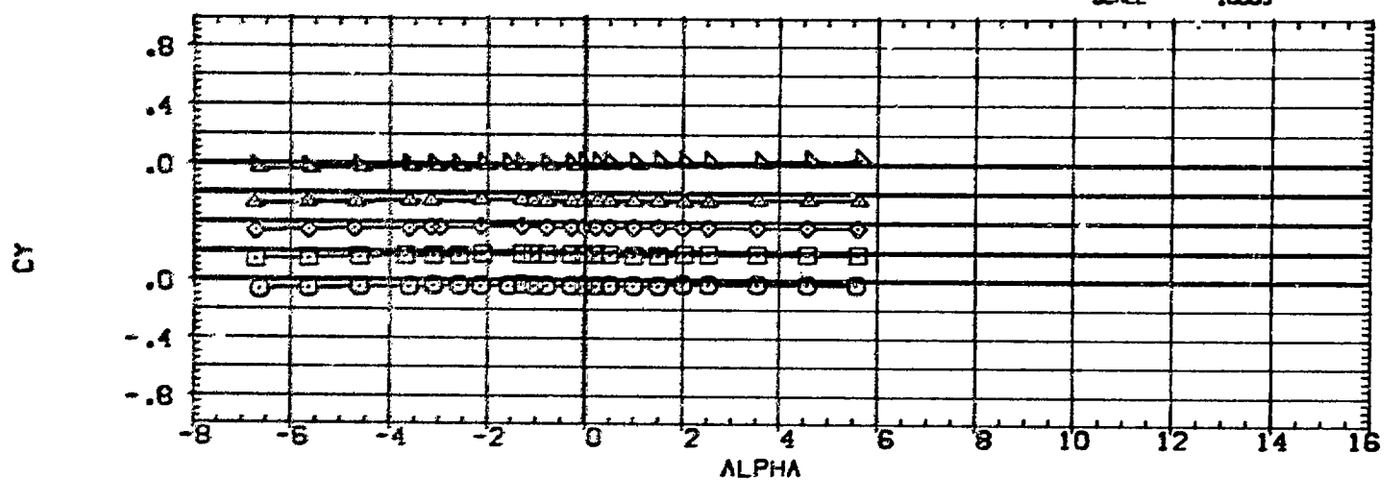
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

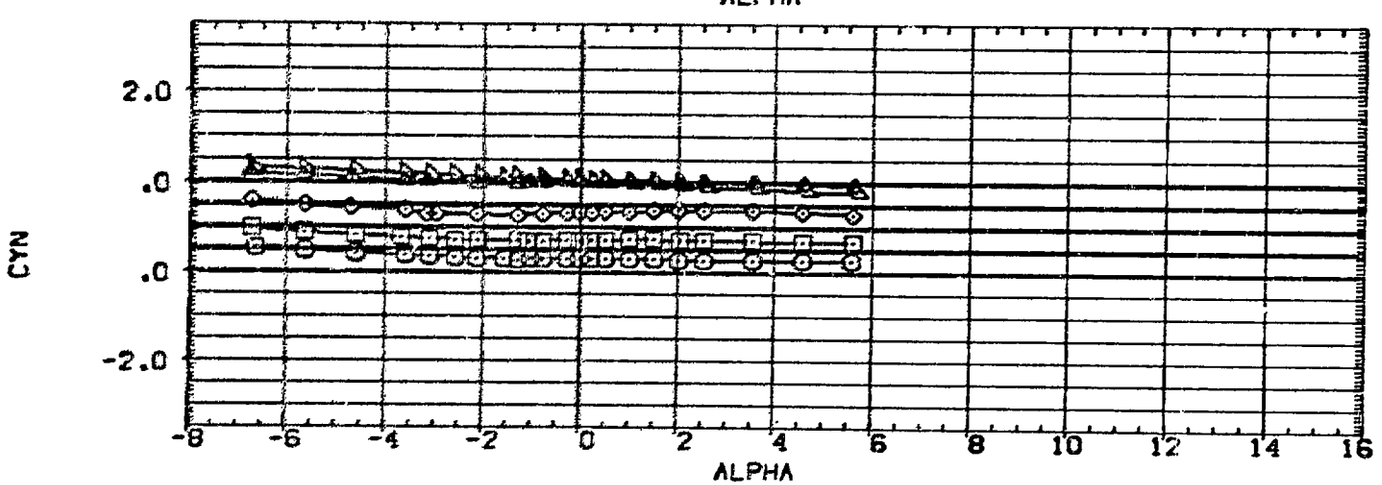
AEDC TC 273 WRAPAROUND FIN B1F17 (AX3B09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	45.000	FRCORD	7.000
□	1.047	LAMBDA	60.000	THETA	.000
◇	1.103	CR/D	1.750	B/2D	.660
△	1.158				
◁	1.296				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





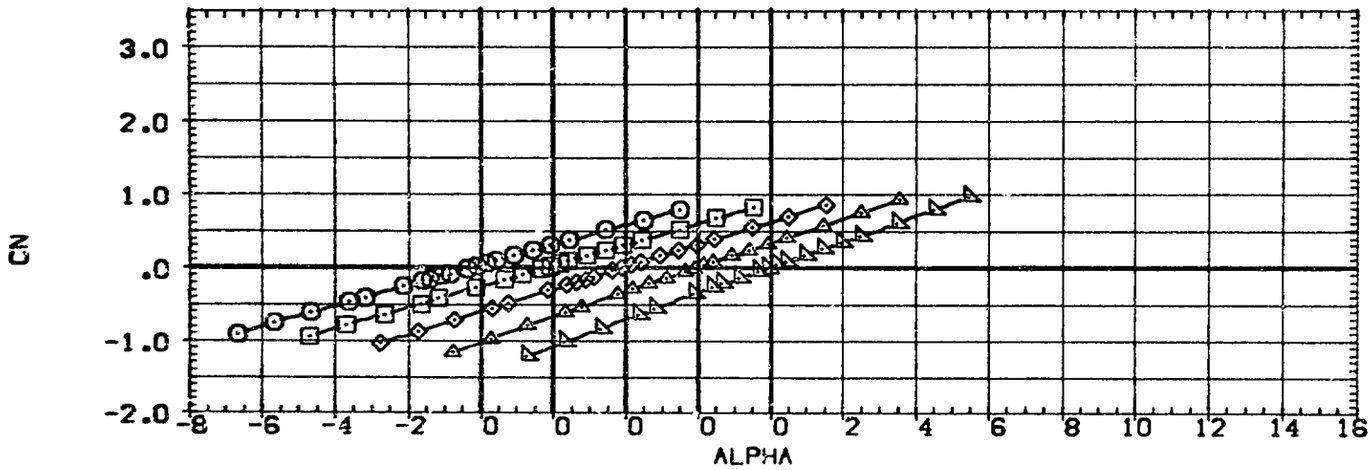
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, LAMBDA=60.0

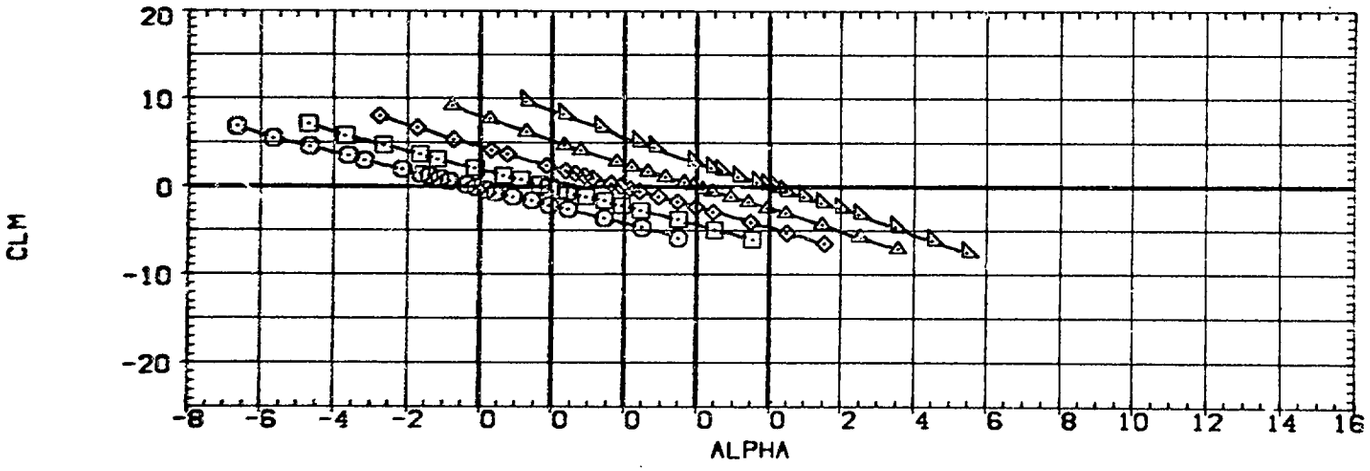
AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B10)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.502	PHI	.000	FRCORD	4.000
□	.601	LAMBDA	46.900	THETA	.000
◇	.799	CR/D	1.000	B/2D	.650
△	.902				
▱	.951				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





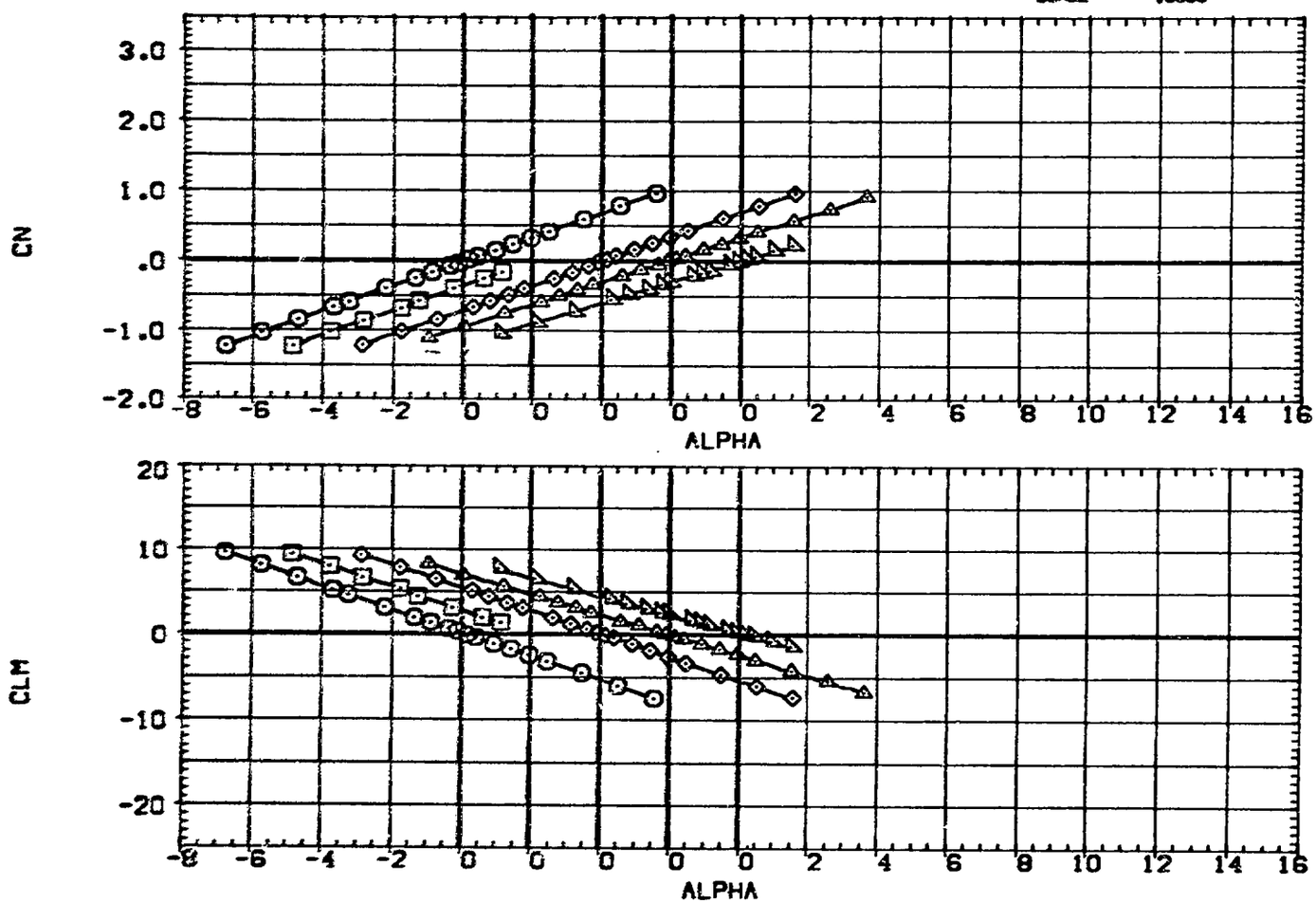
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B10)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.999	PHI	.000	FRCORD	4.000
□	1.054	LAMBDA	46.900	THETA	.000
◇	1.101	CR/D	1.000	B/2D	.650
△	1.199				
◪	1.299				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



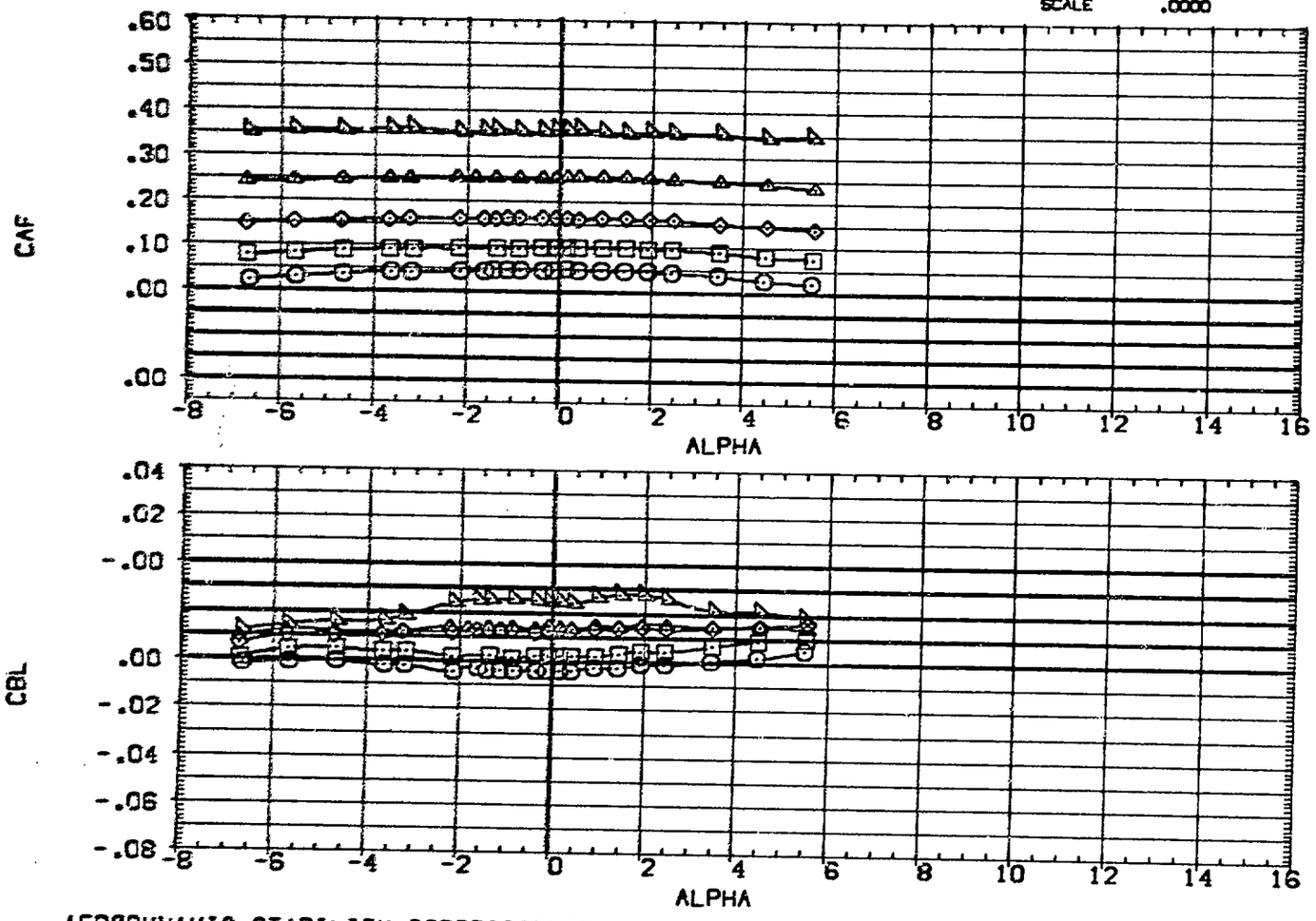
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B10)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.502	PHI	.000	FROMO	4.000
□	.601	LAMBDA	46.900	THETA	.000
◇	.799	CR/D	1.000	B/2D	.650
△	.902				
◁	.951				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



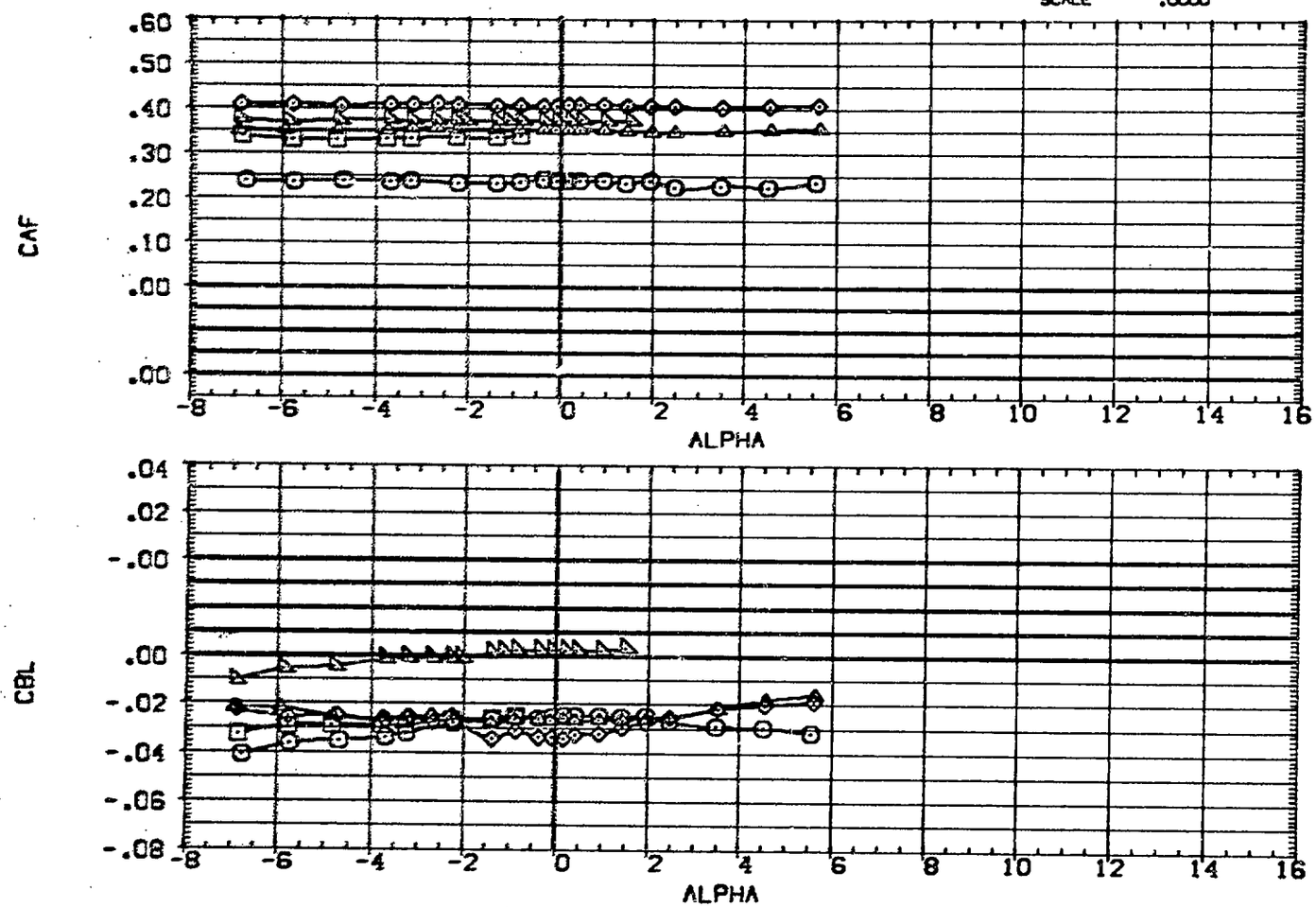
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B10)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.900	PHI	.000	FRCSRD	4.000
□	1.054	LAMBDA	46.900	THETA	.000
◇	1.101	CR/D	1.000	B/2D	.650
△	1.199				
◁	1.299				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



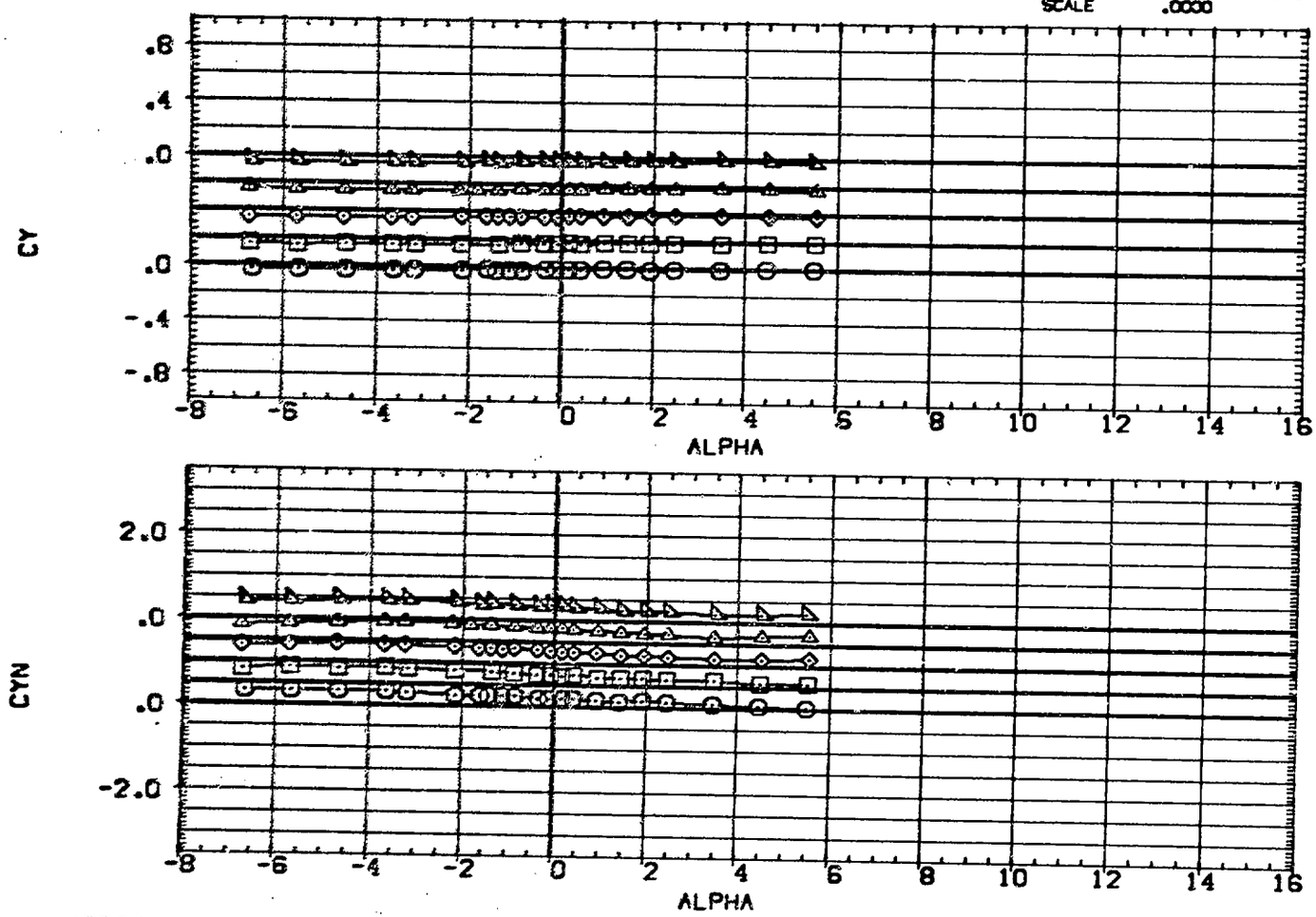
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B10)

SYMBOL	MACH	PARAMETRIC VALUES			
▽	.502	PHI	.000	FREQRD	4.000
△	.801	LAMBDA	46.900	THETA	.000
◇	.759	CR/D	1.000	B/2D	.650
□	.922				
○	.951				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



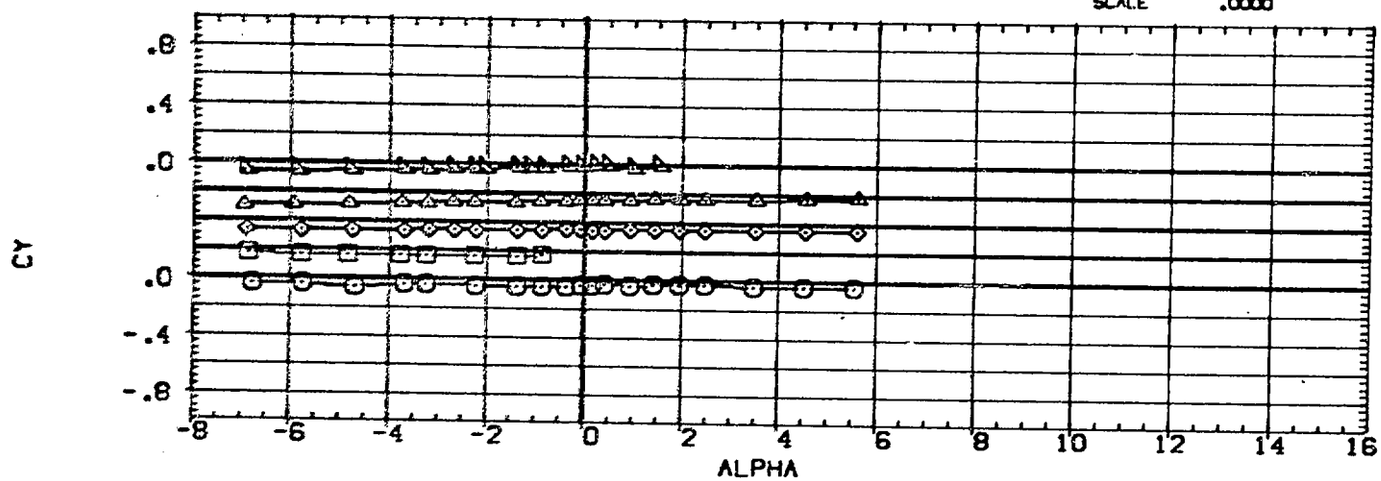
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

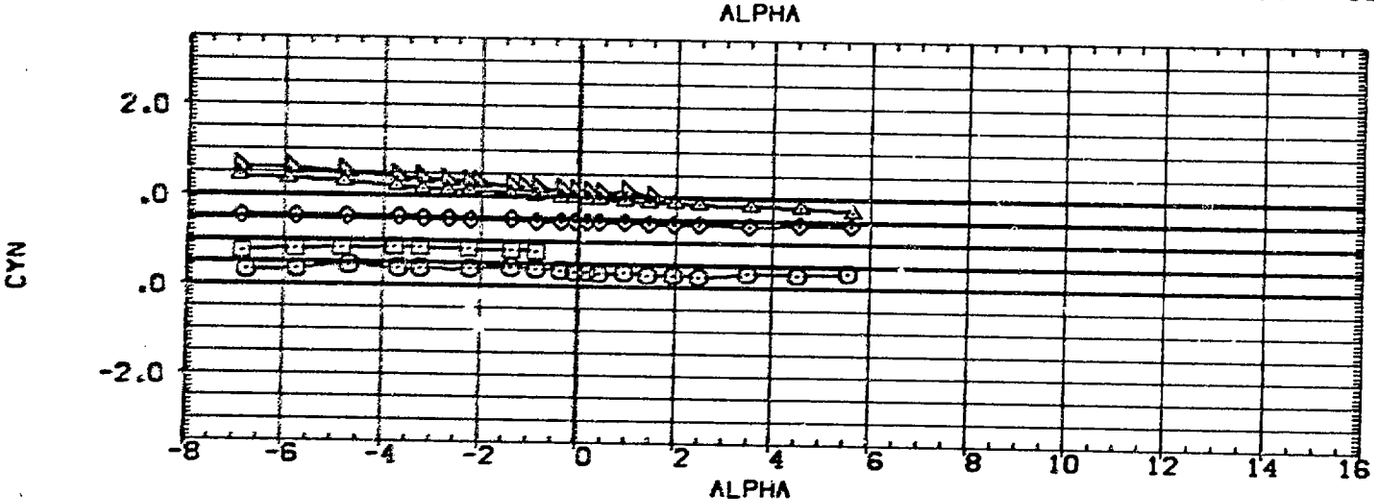
AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B10)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.899	PHI	.000	FRCORD	4.000
□	1.054	LAMBDA	46.900	THETA	.000
◇	1.101	CR/D	1.000	B/2D	.650
△	1.199				
▽	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





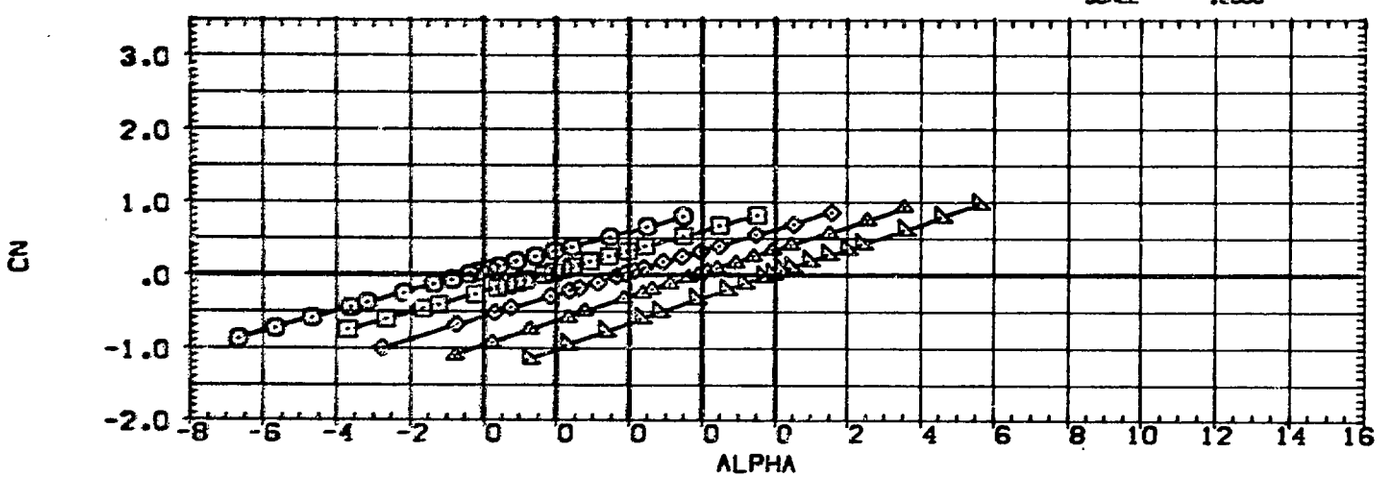
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

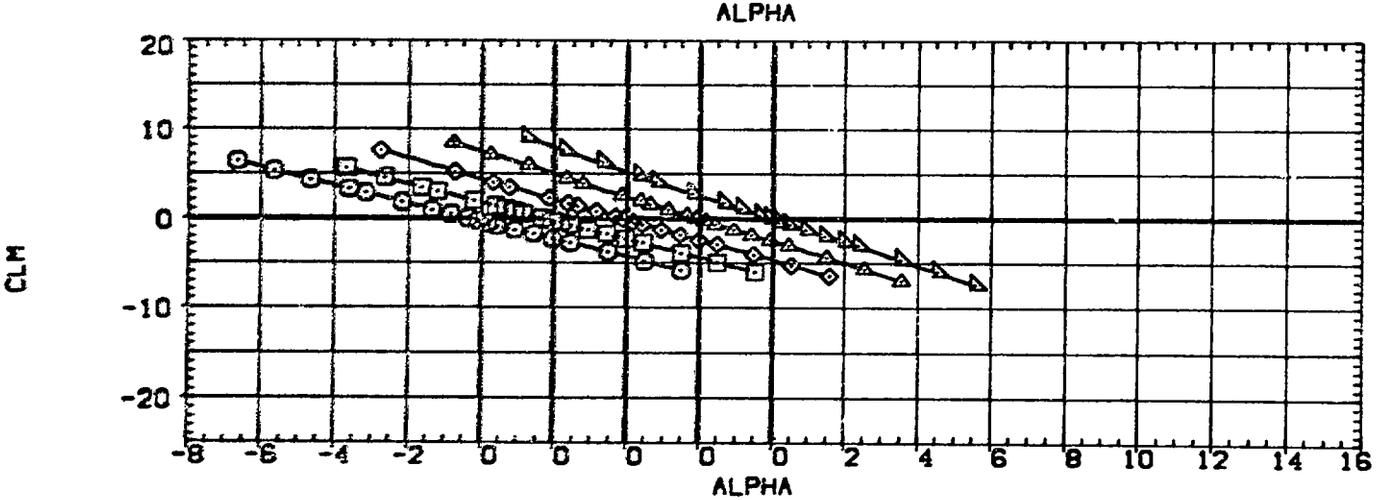
AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B11)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	45.000	FRCORD	4.000
□	.603	LAMBDA	46.900	THETA	.000
◇	.755	CR/D	1.000	B/2D	.650
△	.850				
	.951				

REFERENCE INFORMATION

SREF	12.5680	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





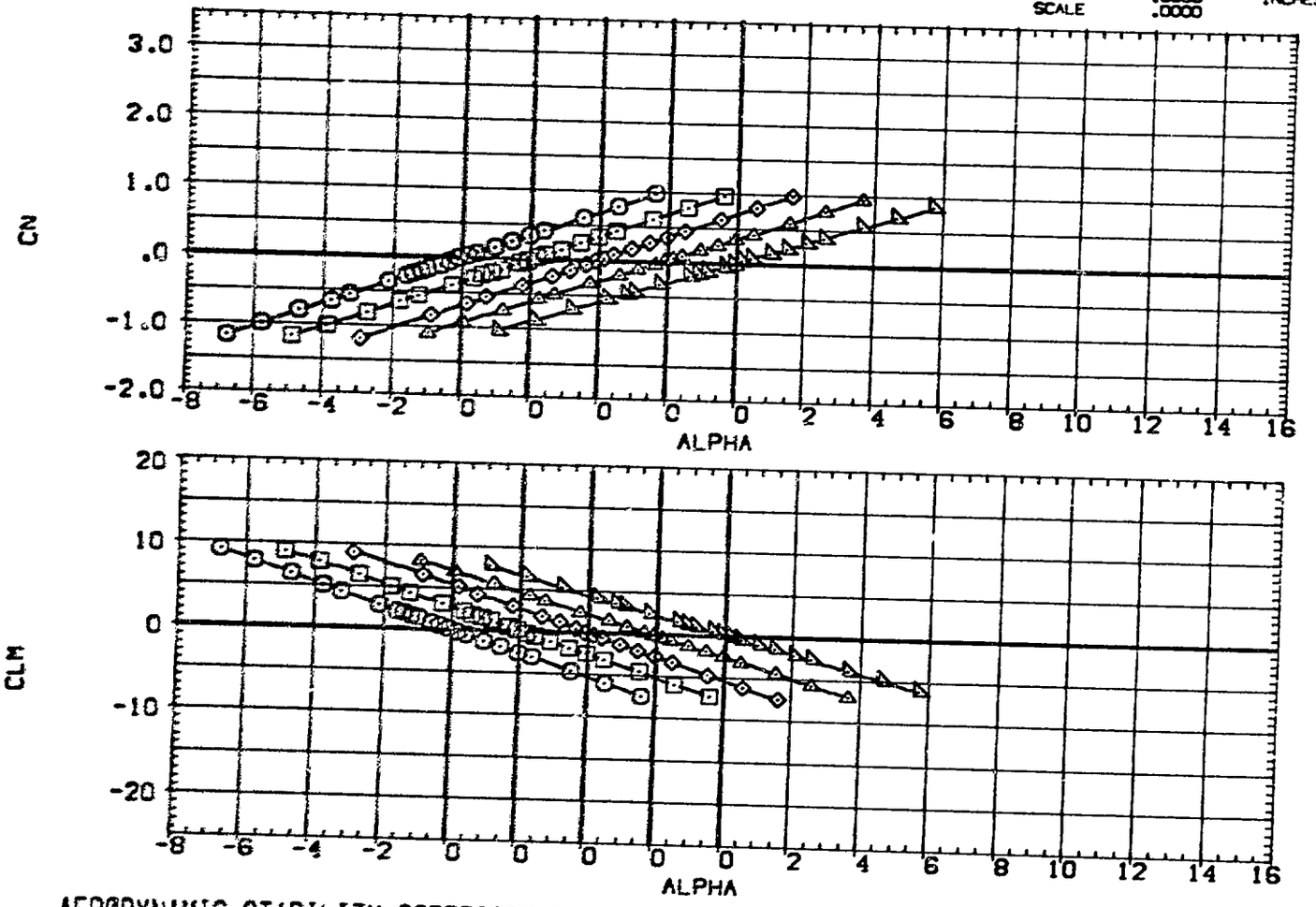
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B11)

SYMBOL	MACH		PARAMETRIC VALUES		
◇	1.001	PHI	45.000	FROMRD	4.000
□	1.050	LAMBDA	46.900	THETA	.000
△	1.102	CR/D	1.000	B/2D	.650
◇	1.198				
□	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.00000	INCHES
BREF	4.00000	INCHES
XMRP	.00000	INCHES
YMRP	.00000	INCHES
ZMRP	.00000	INCHES
SCALE	.0000	



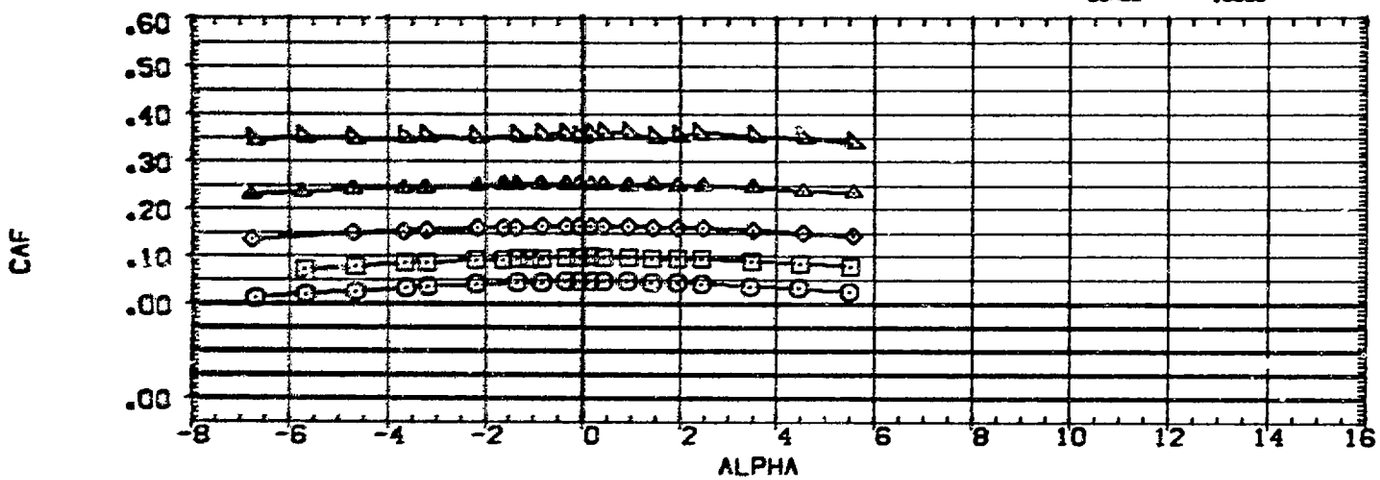
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

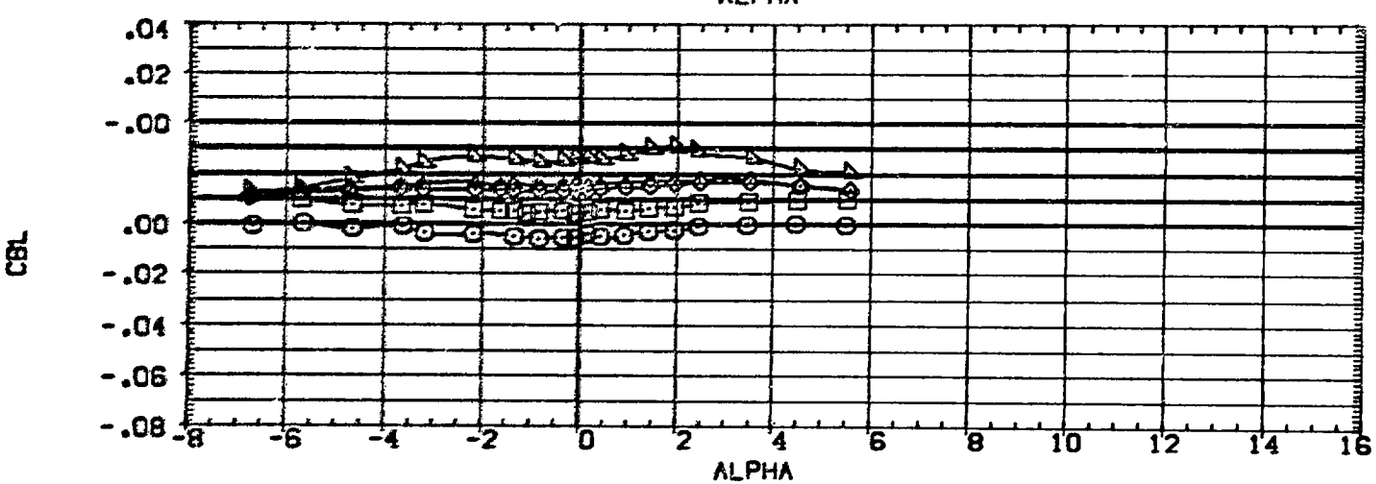
AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B11)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	45.000	FRCORD	4.000
□	.603	LAMBDA	46.900	THETA	.000
◇	.799	CR/D	1.000	B/2D	.650
△	.851				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN BIF18 (AX3B11)

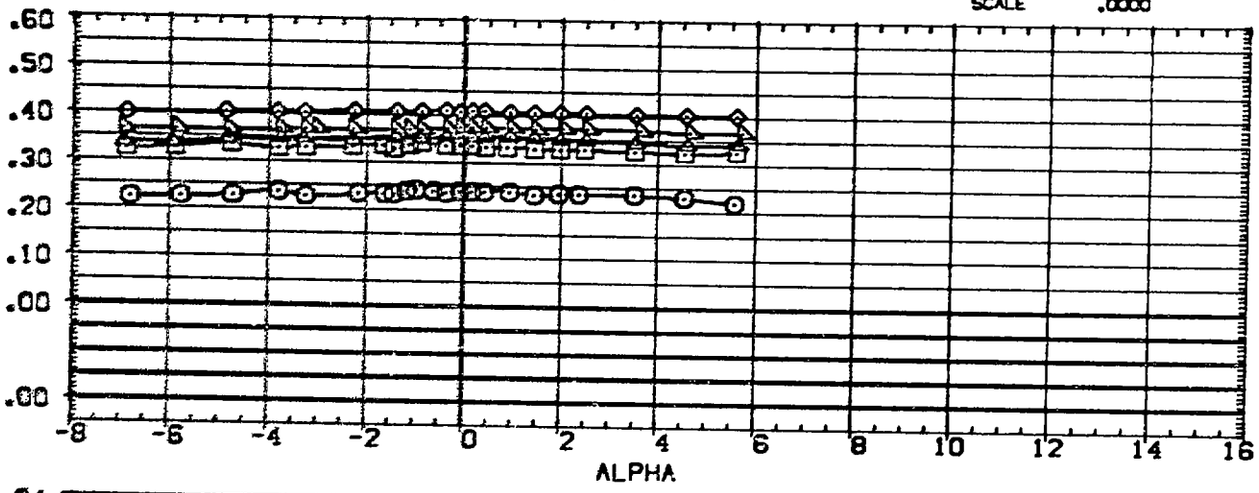
SYMBOL	MACH
○	1.001
□	1.050
◇	1.102
△	1.198
▽	1.299

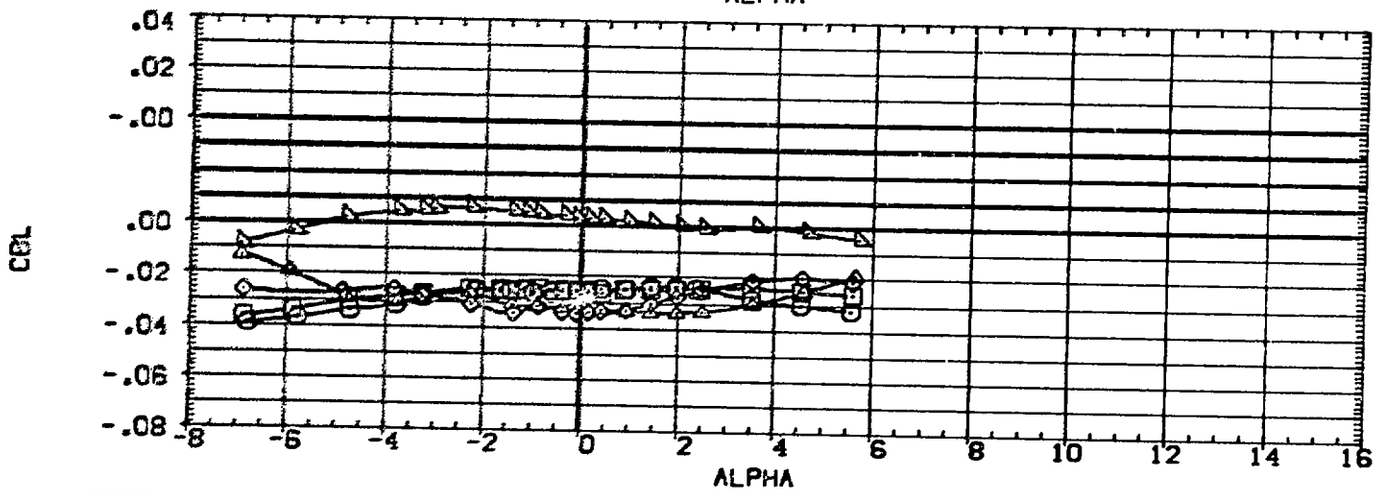
PARAMETRIC VALUES

PHI	45.000	FROSRD	4.000
LAMBDA	45.900	THETA	.000
CR/D	1.000	B/2D	.650

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN 81F18 (AX3B11)

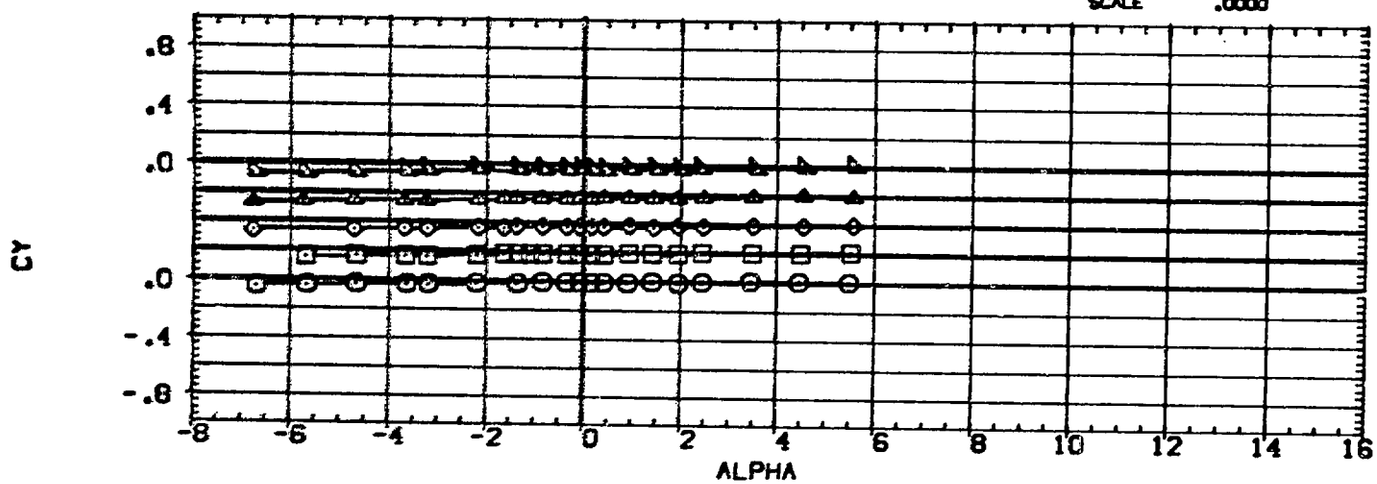
SYMBOL	MACH
○	.504
□	.603
◇	.795
▷	.898
△	.951

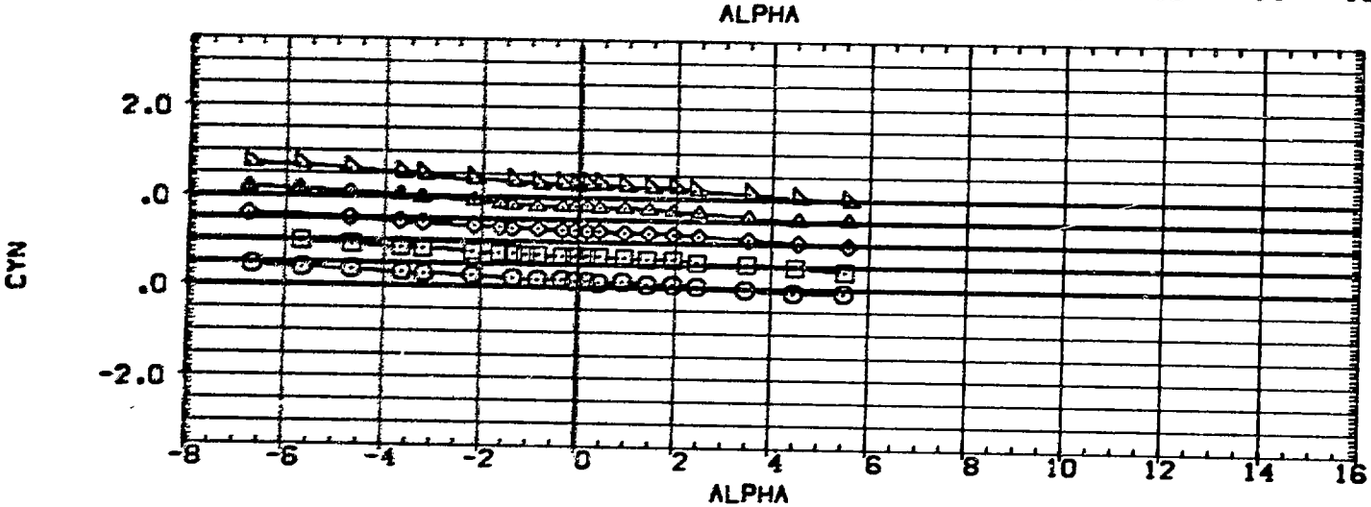
PARAMETRIC VALUES

PHI	45.000	FRORD	4.000
LAMBDA	46.900	THETA	.000
CR/D	1.000	B/2D	.650

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





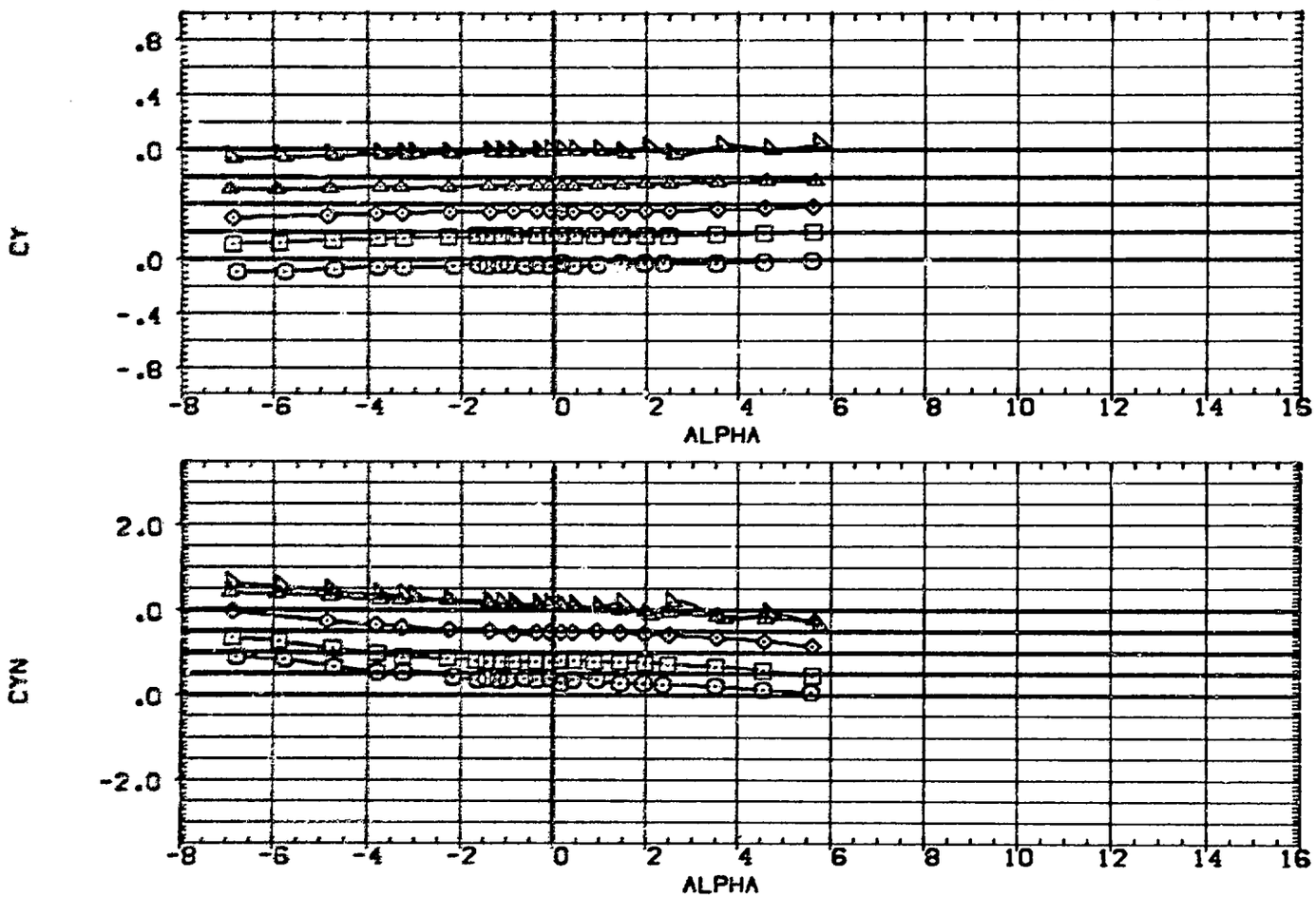
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F18 (AX3B:1)

SYMBOL	MACH	PARAMETRIC VALUES				
○	1.001	PHI	45.000	FREQRD	4.000
□	1.050	LAMBDA	46.900	THETA	.000
◇	1.102	CR/D	1.000	B/2D	.650
◁	1.198				
△	1.298				

REFERENCE INFORMATION

SREF	.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



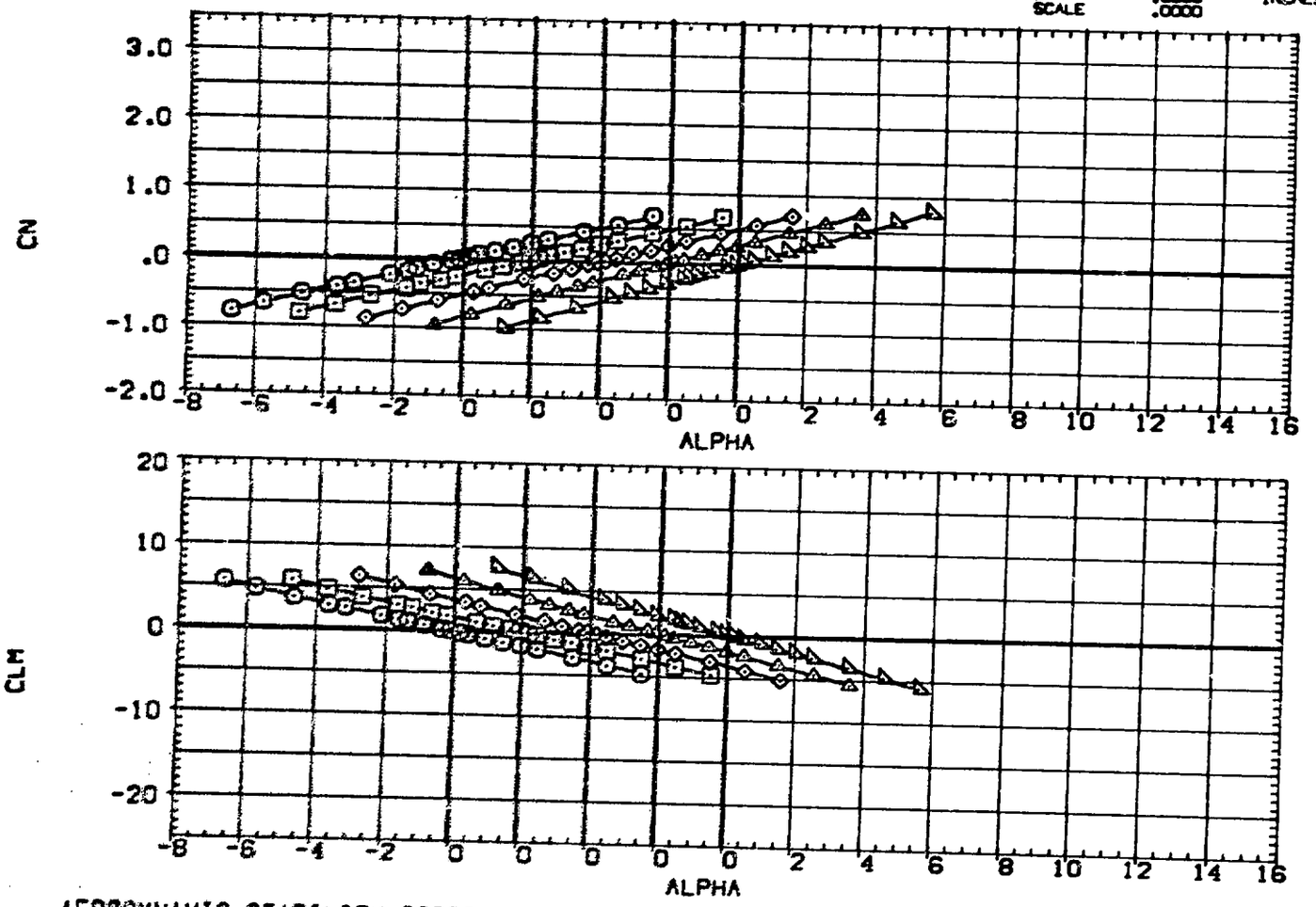
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=46.9

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B12)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.504	PHI	.000	FRCORD	4.000
◇	.601	LAMBDA	57.300	THETA	.000
△	.801	CR/D	1.000	B/2D	.640
	.902				
	.950				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



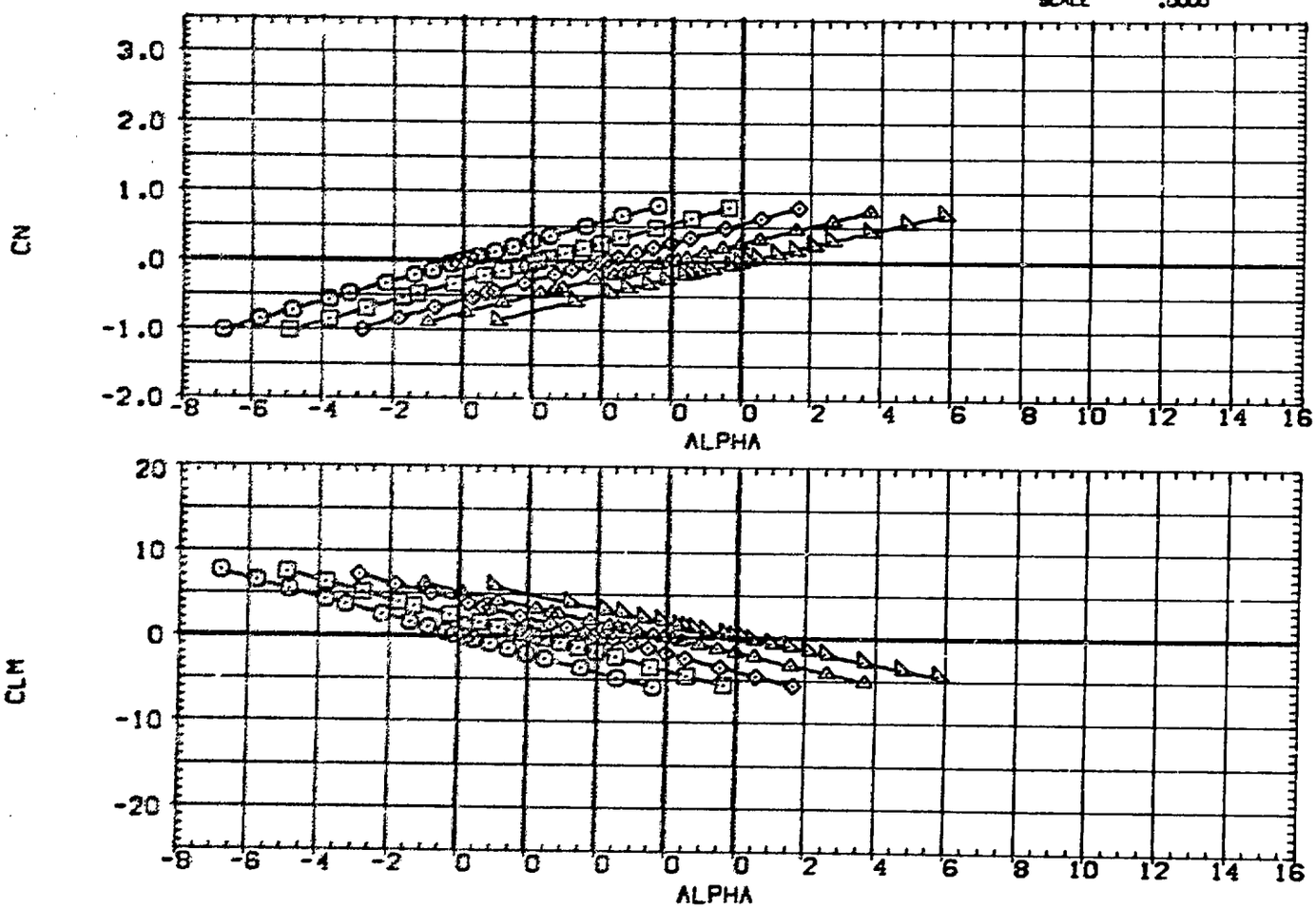
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B12)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	.000	FREQPO	4.000
□	1.053	LAMBDA	57.200	THETA	.000
◇	1.096	CR/D	1.000	B/2D	.640
△	1.197				
▽	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



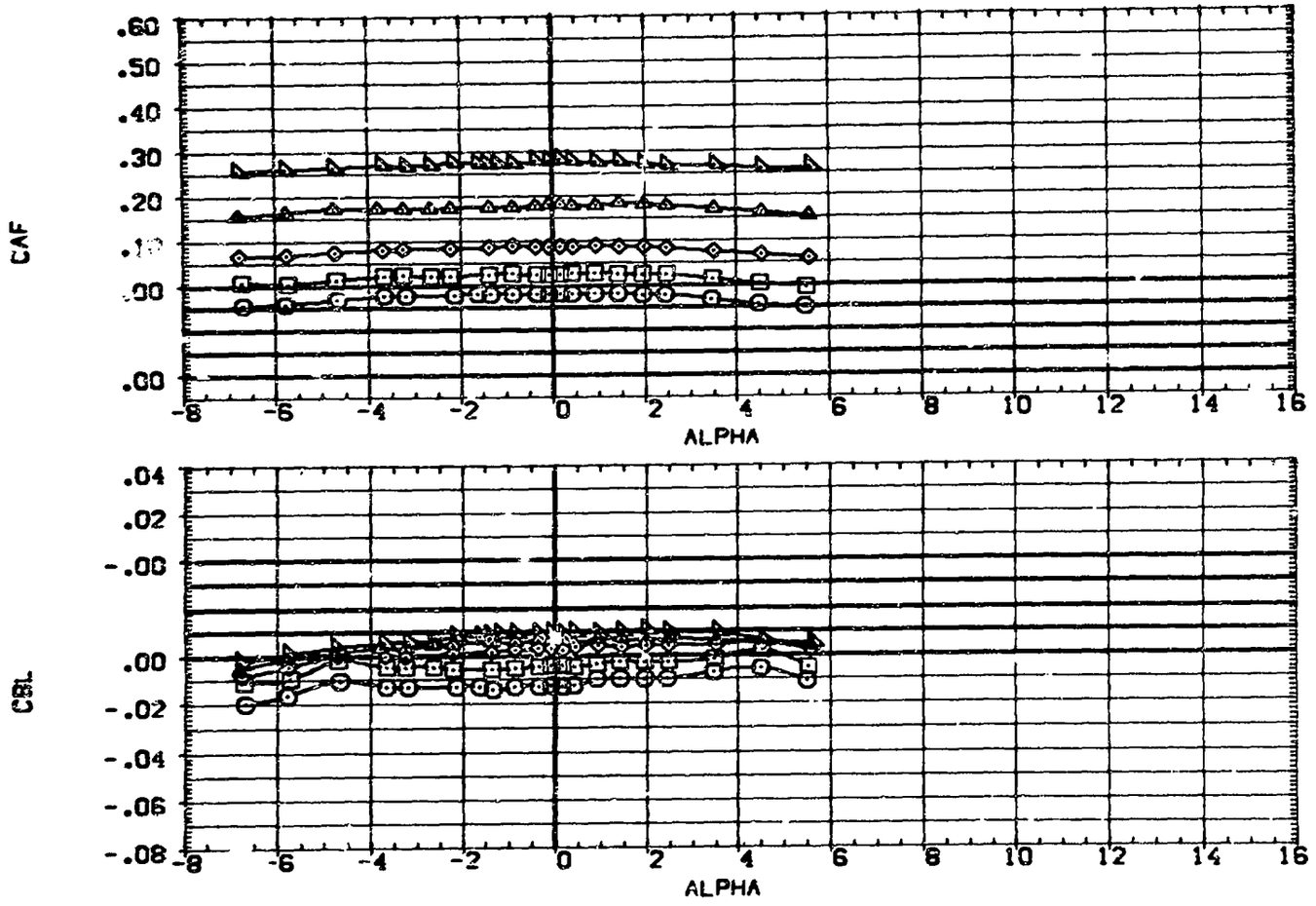
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B12)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.504	PHI	.000	FRCORG	4.000
□	.601	LAMBDA	57.300	THETA	.000
◇	.801	CR/D	1.000	B/2D	.640
△	.802				
▷	.950				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3812)

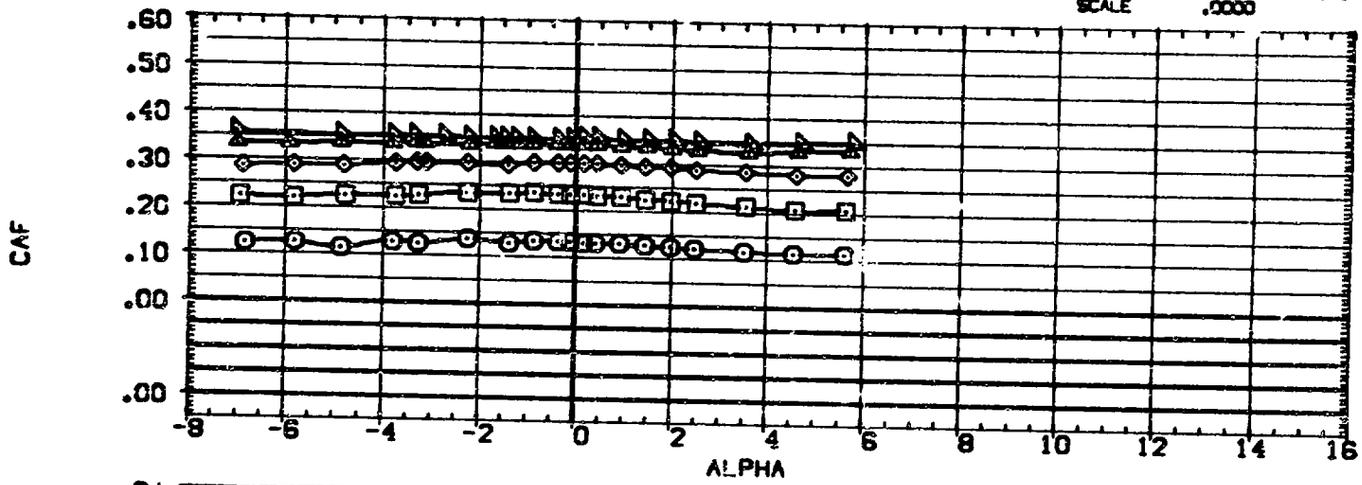
SYMBOL	MACH
○	1.000
□	1.059
◇	1.098
◁	1.157
△	1.299

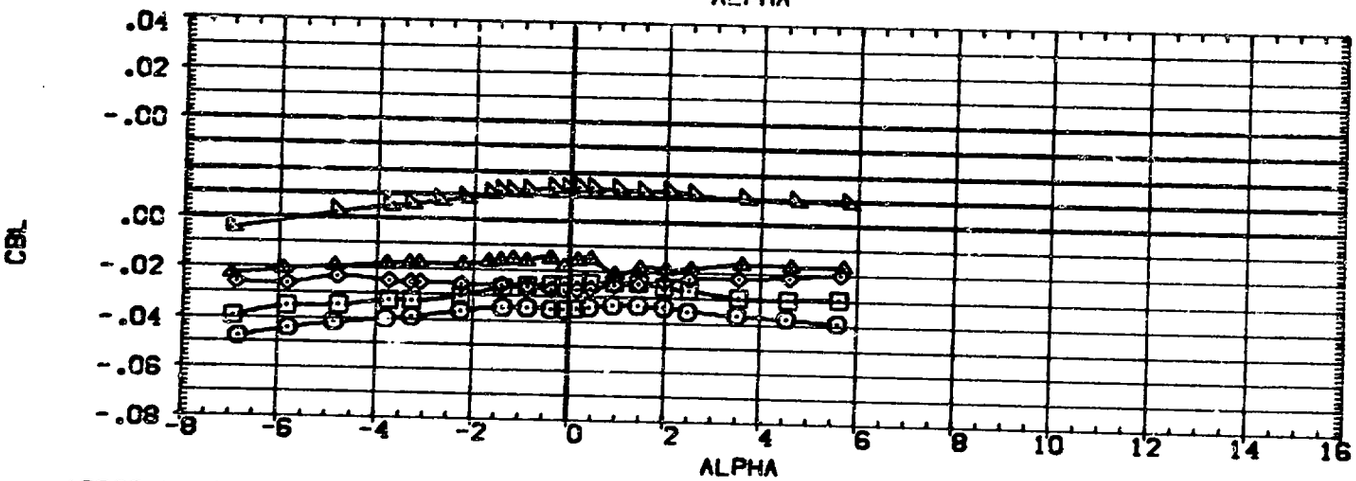
PARAMETRIC VALUES

PHI	.000	FRCORD	4.000
LAMBDA	57.300	THETA	.000
CR/D	1.000	B/2D	.640

REFERENCE INFORMATION

SREF	12.5680	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B12)

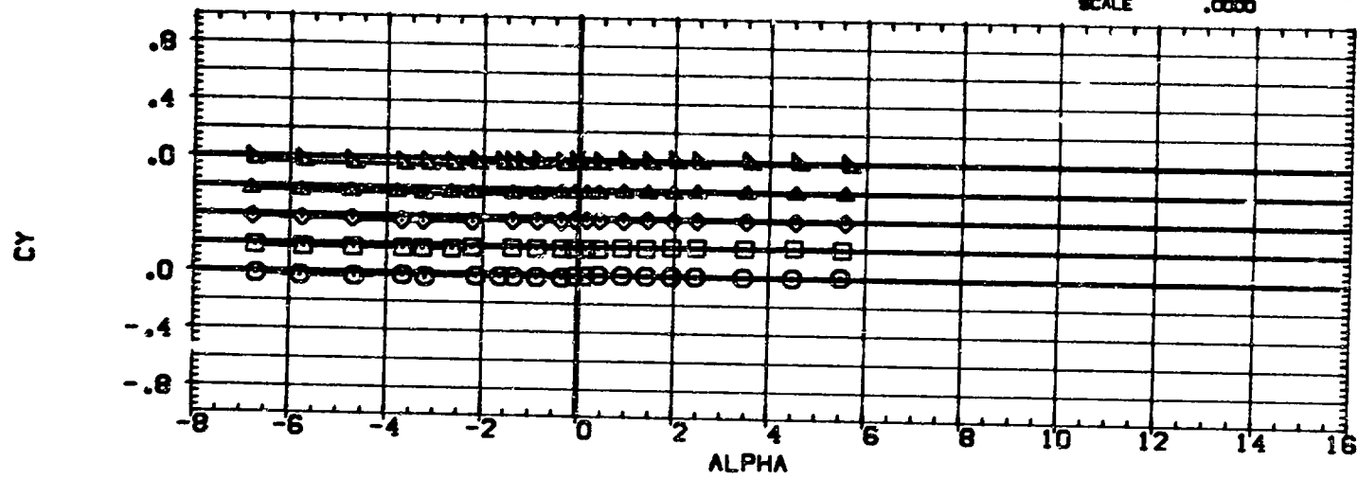
SYMBOL	MACH
○	.504
□	.801
◇	.901
△	.902
◁	.950

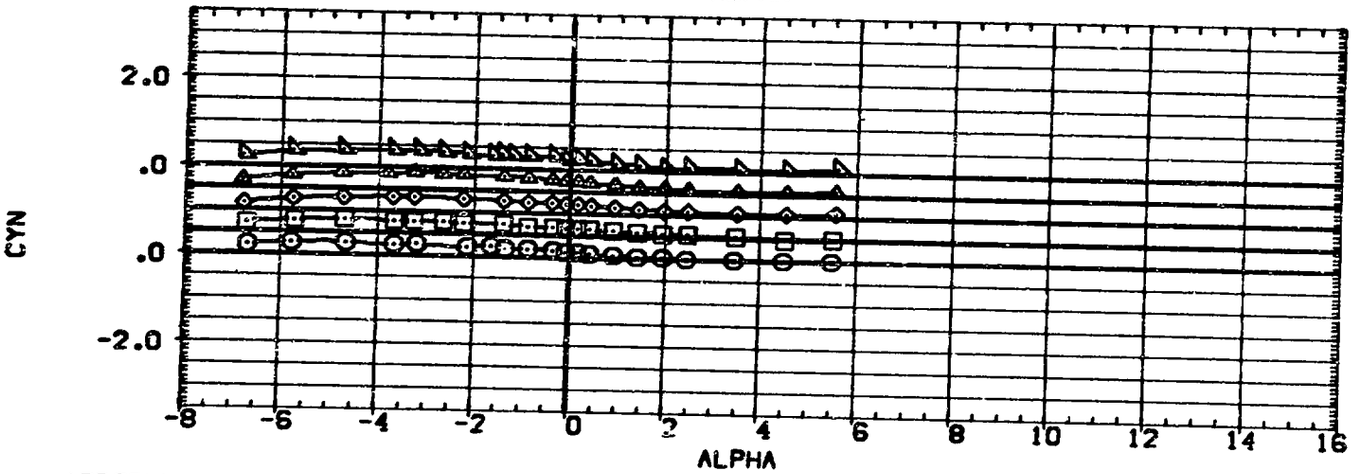
PARAMETRIC VALUES

PHI	.000	FRCORD	4.000	
LAMBDA	57.300	THETA	.000	
CR/D	1.000	B/2D	.640	

REFERENCE INFORMATION

SREF	12.5880	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	INCHES





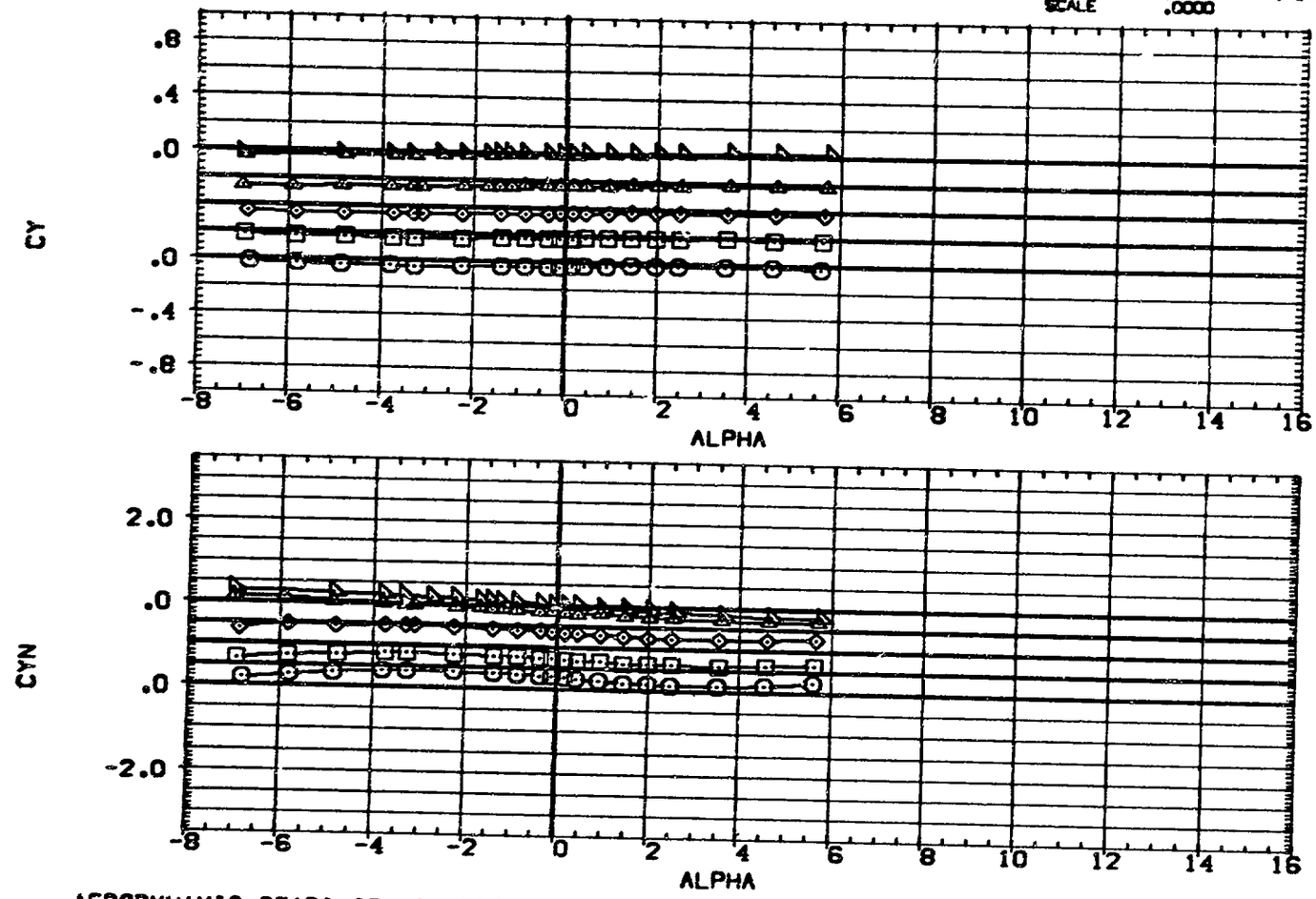
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F1S (AX3B12)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.000	PHI	.000	FRCORD	4.000
□	1.053	LAMBDA	57.300	THETA	.000
◇	1.098	CR/D	1.000	B/2D	.640
◁	1.197				
△	1.299				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



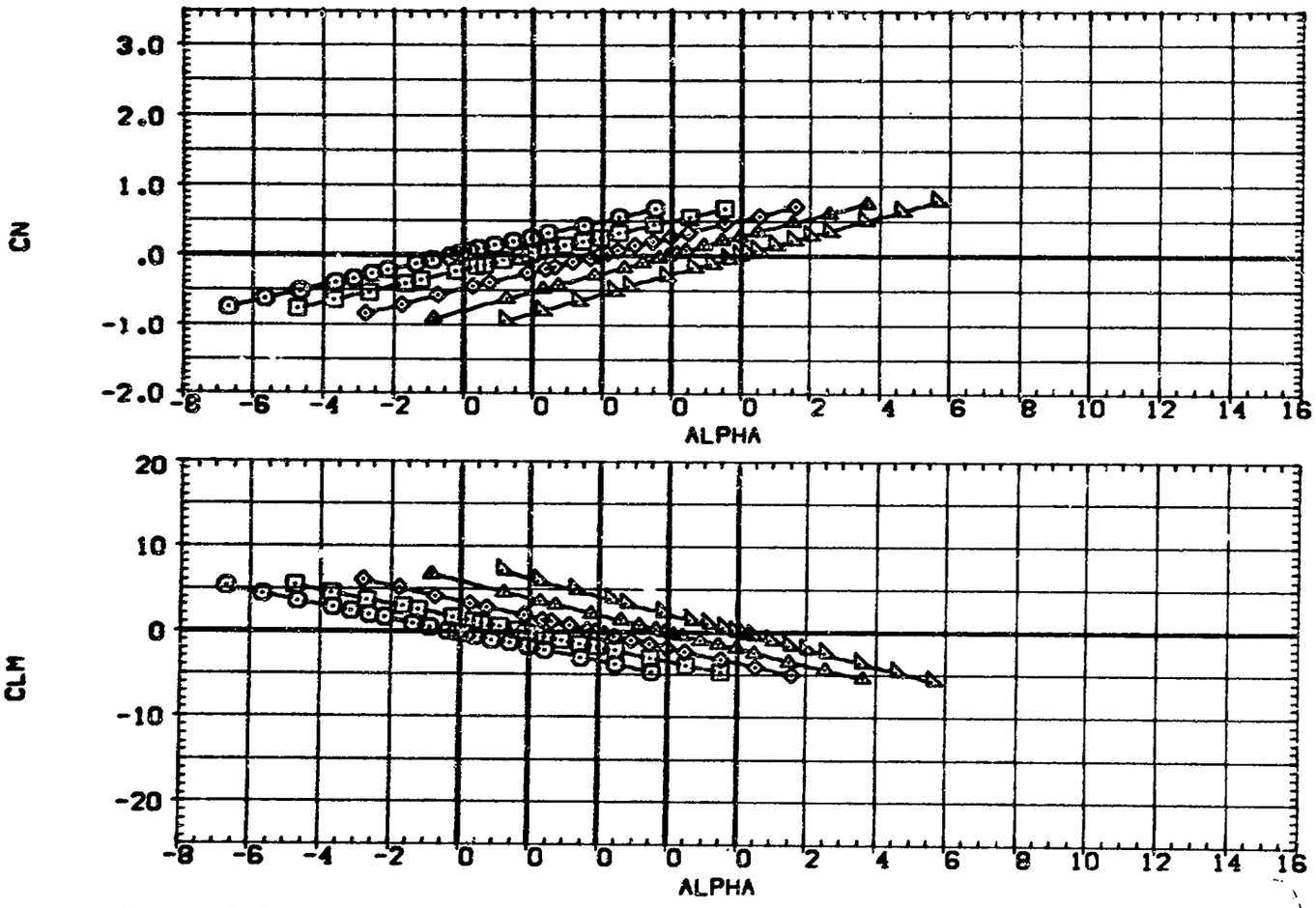
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B13)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCORD	4.000
□	.800	LAMBDA	57.300	THETA	.000
◇	.769	CR/D	1.000	B/2D	.640
△	.889				
◁	.948				

REFERENCE INFORMATION

SREF	12.5880	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B13)

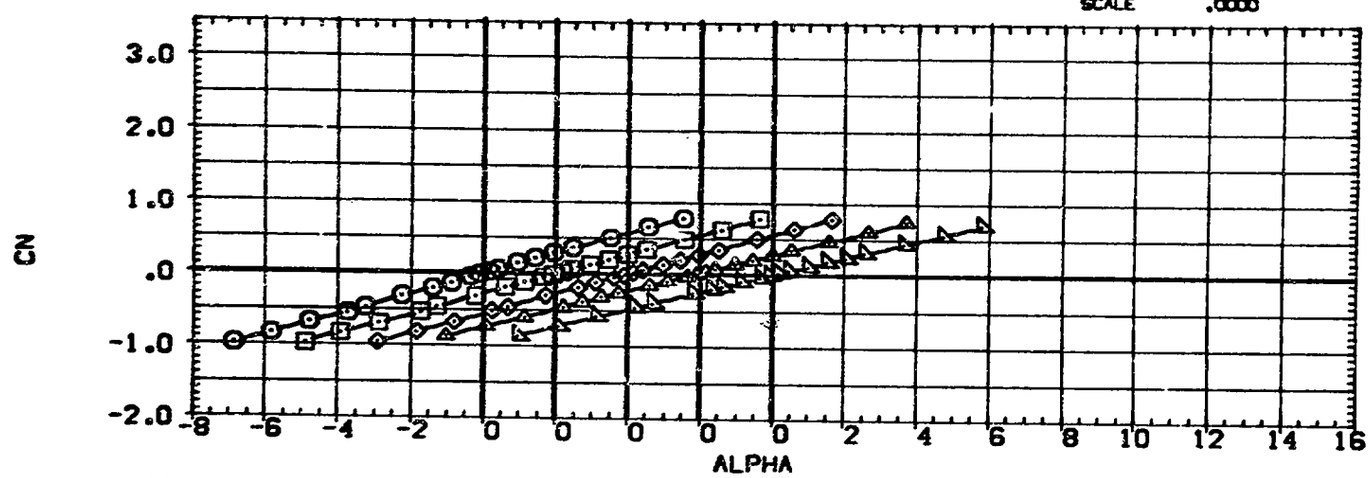
SYMBOL	MACH
○	.895
□	1.048
◇	1.095
◁	1.157
△	1.298

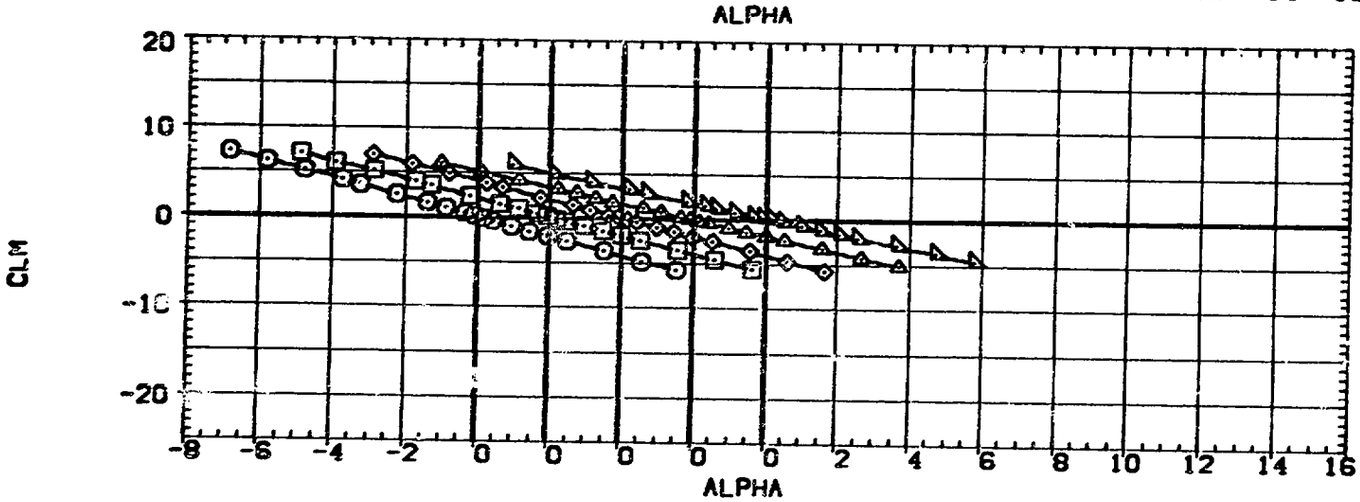
PARAMETRIC VALUES

PHI	45.000	FRCORG	4.000
LAMBDA	57.300	THETA	.000
CR/D	1.000	B/2D	.640

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





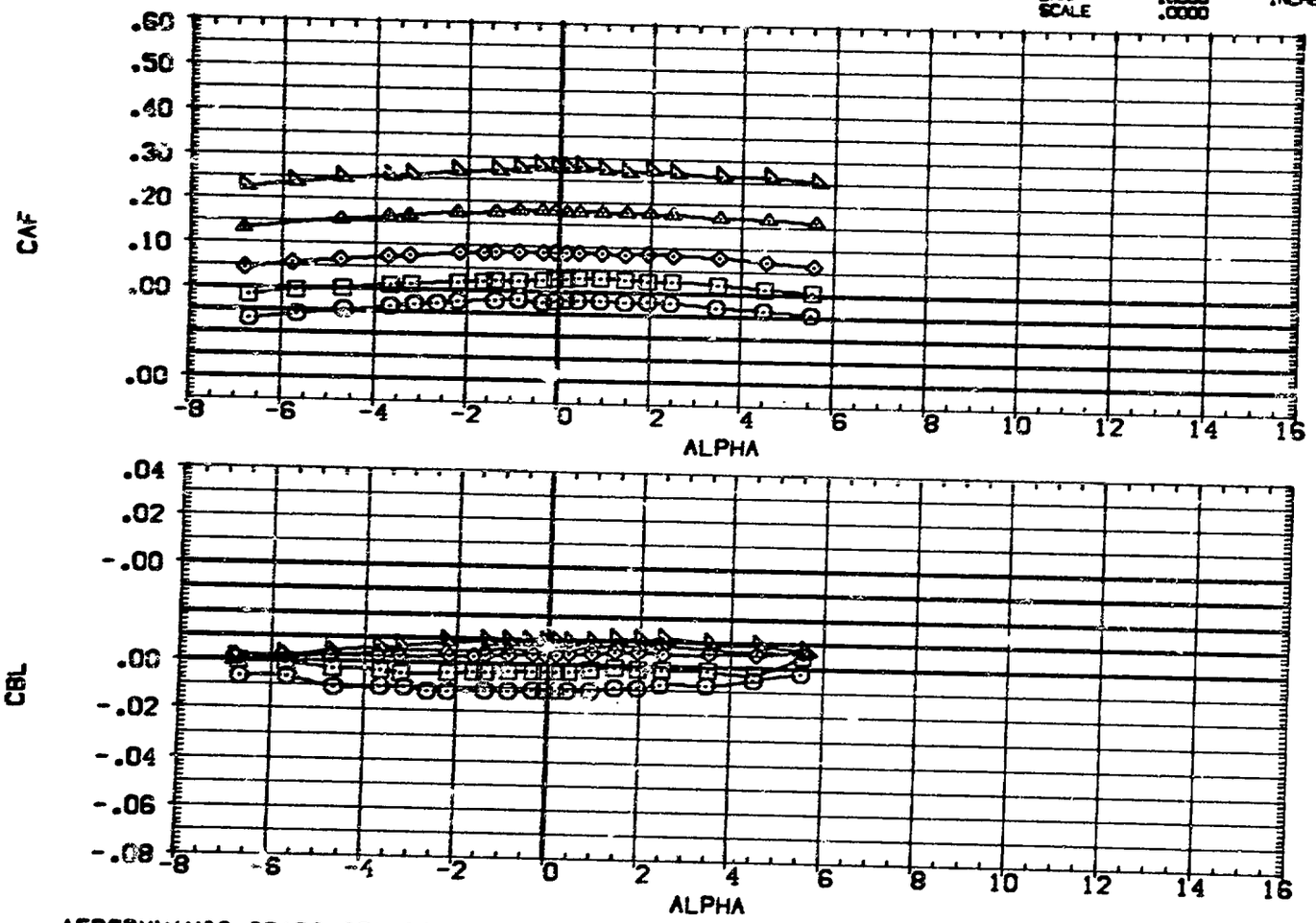
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B13)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.505	PHI	45.000	FRCORD	4.000
□	.800	LAMBDA	57.300	THETA	.000
◇	.799	CR/D	1.000	B/2D	.640
◁	.852				
△	.948				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B13)

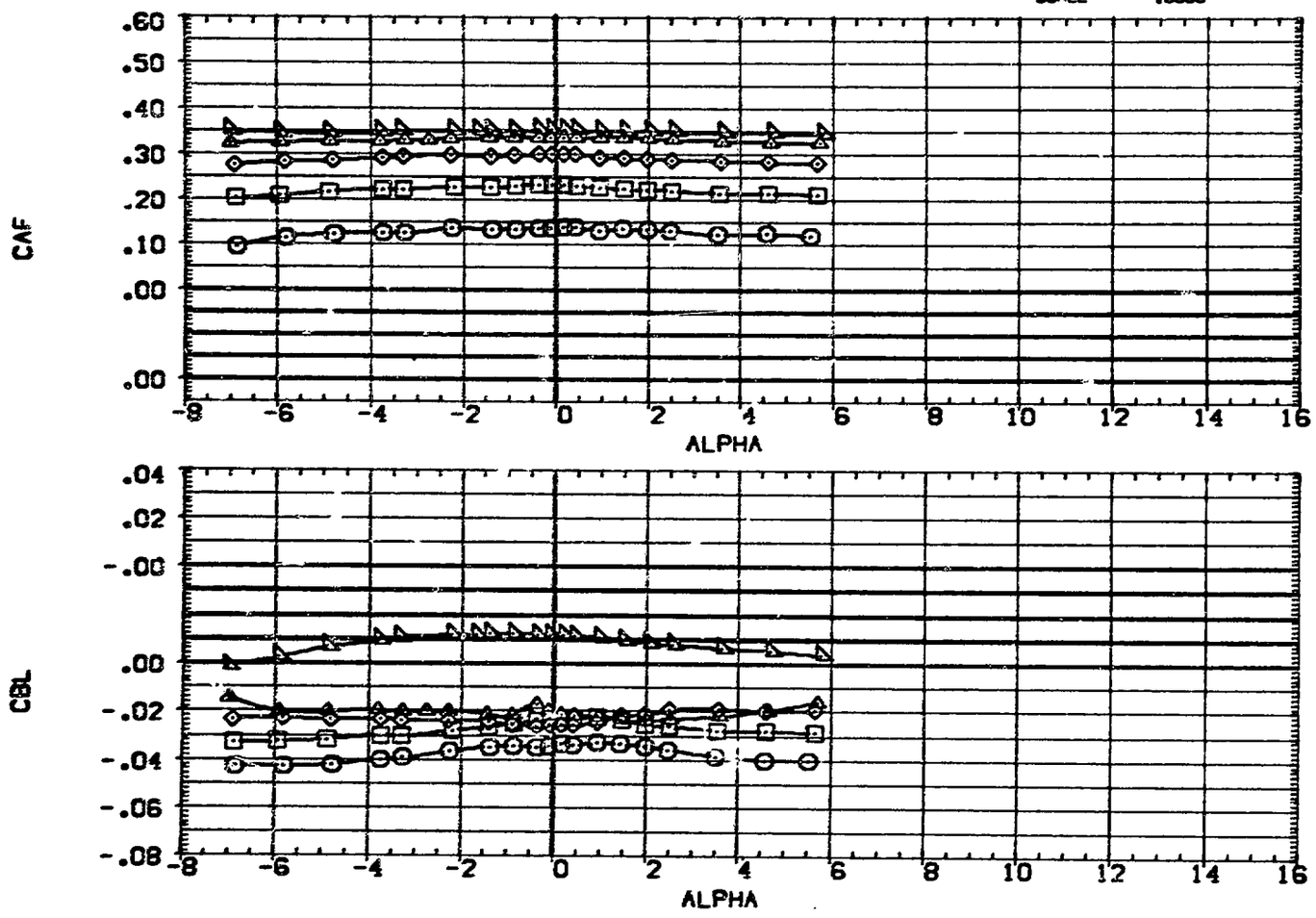
SYMBOL	MACH
○	.595
□	1.048
◇	1.095
△	1.197
◁	1.298

PARAMETRIC VALUES

PHI	45.000	FRC/RD		4.000
LAMBDA	57.300	THETA		.000
CR/D	1.000	B/2D		.640

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



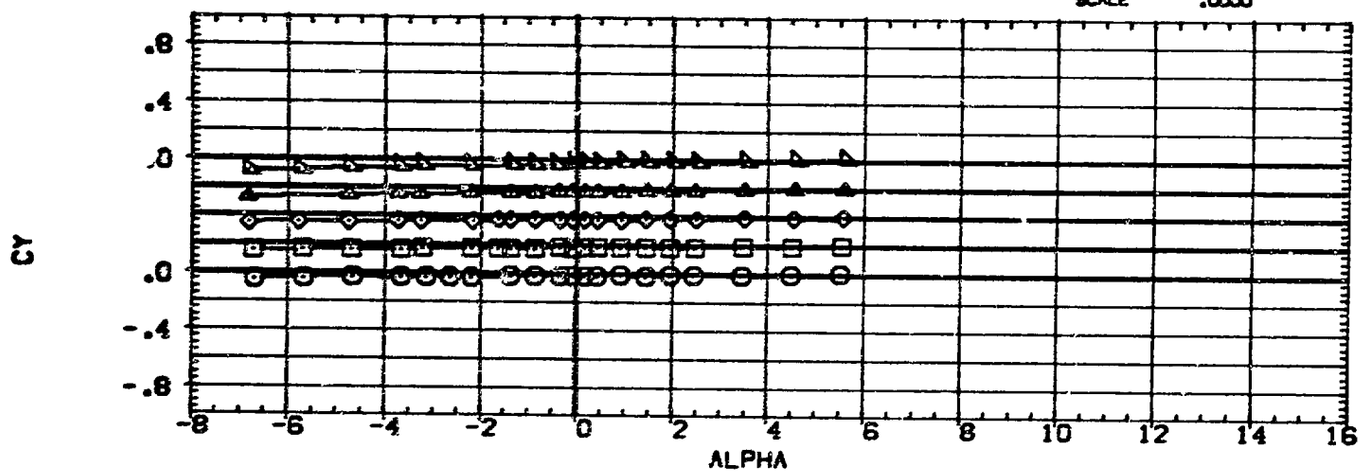
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

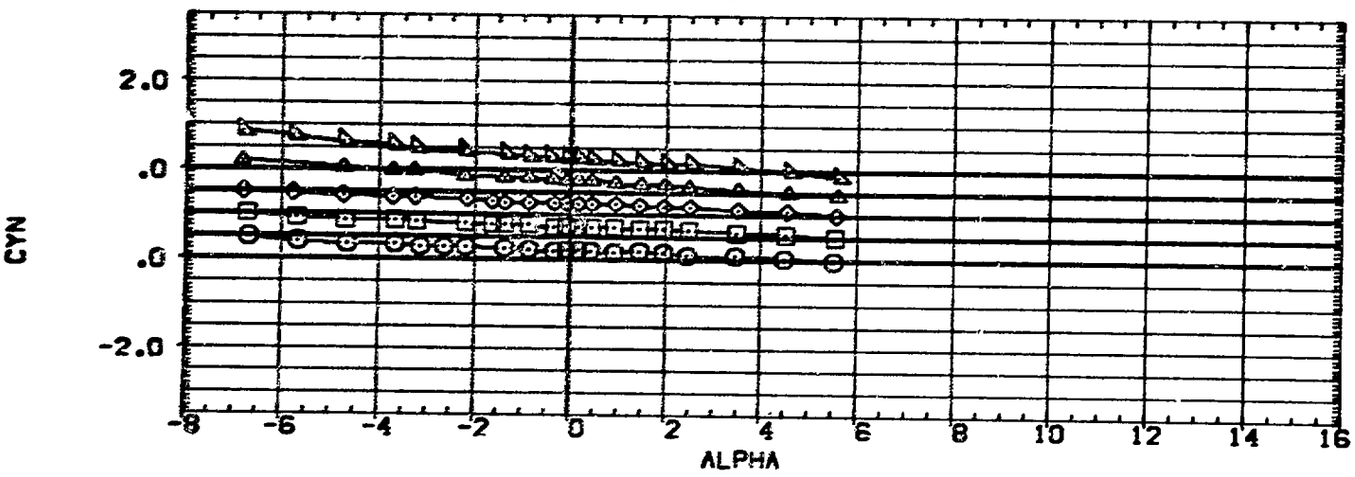
AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B13)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.505	PHI	45.000	FRCORD	4.000
□	.600	LAMBDA	57.300	THETA	.000
◇	.700	CR/D	1.000	B/2D	.610
△	.900				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





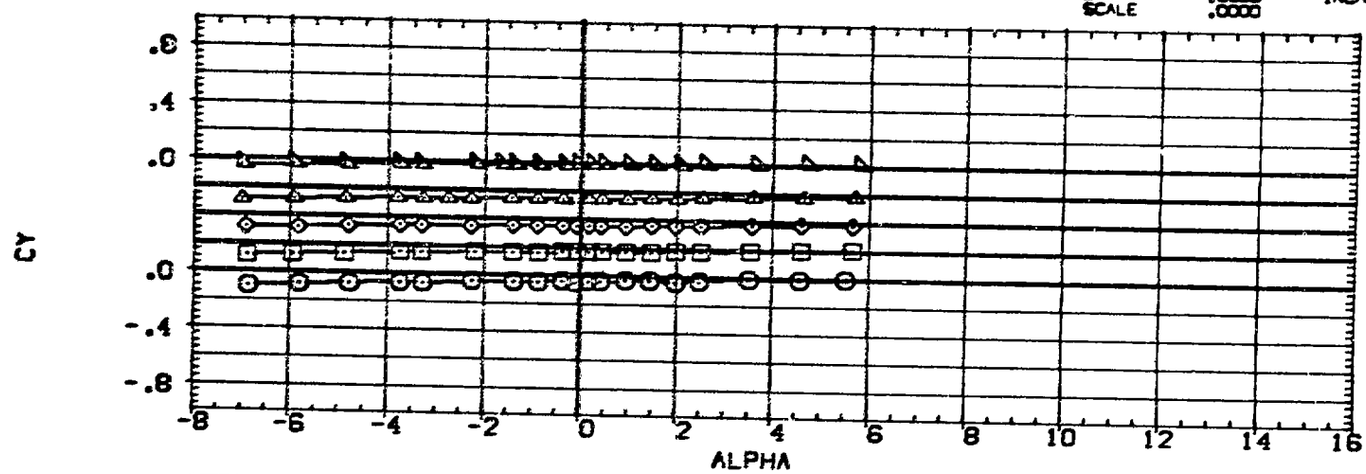
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

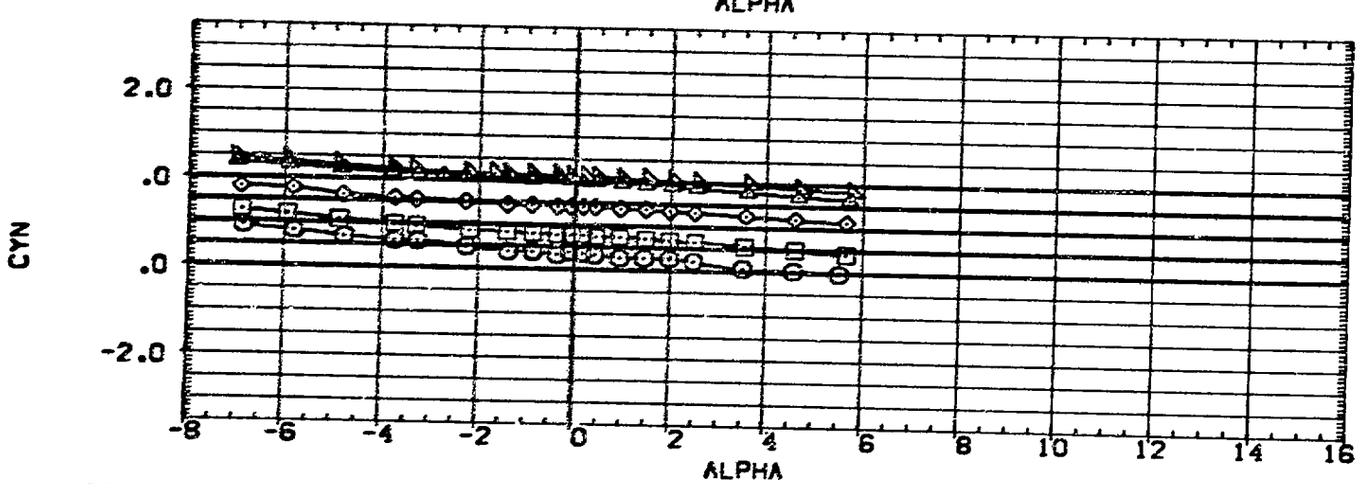
AEDC TC 273 WRAPAROUND FIN B1F19 (AX3B13)

SYMBOL	MACH	PARAMETRIC VALUES			
△	.895	PHI	45.000	FRCORD	4.000
◇	1.048	LAMBDA	57.300	THETA	.000
□	1.096	CR/D	1.000	B/2D	.640
○	1.197				
	1.298				

REFERENCE INFORMATION

SREF	12.5680	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





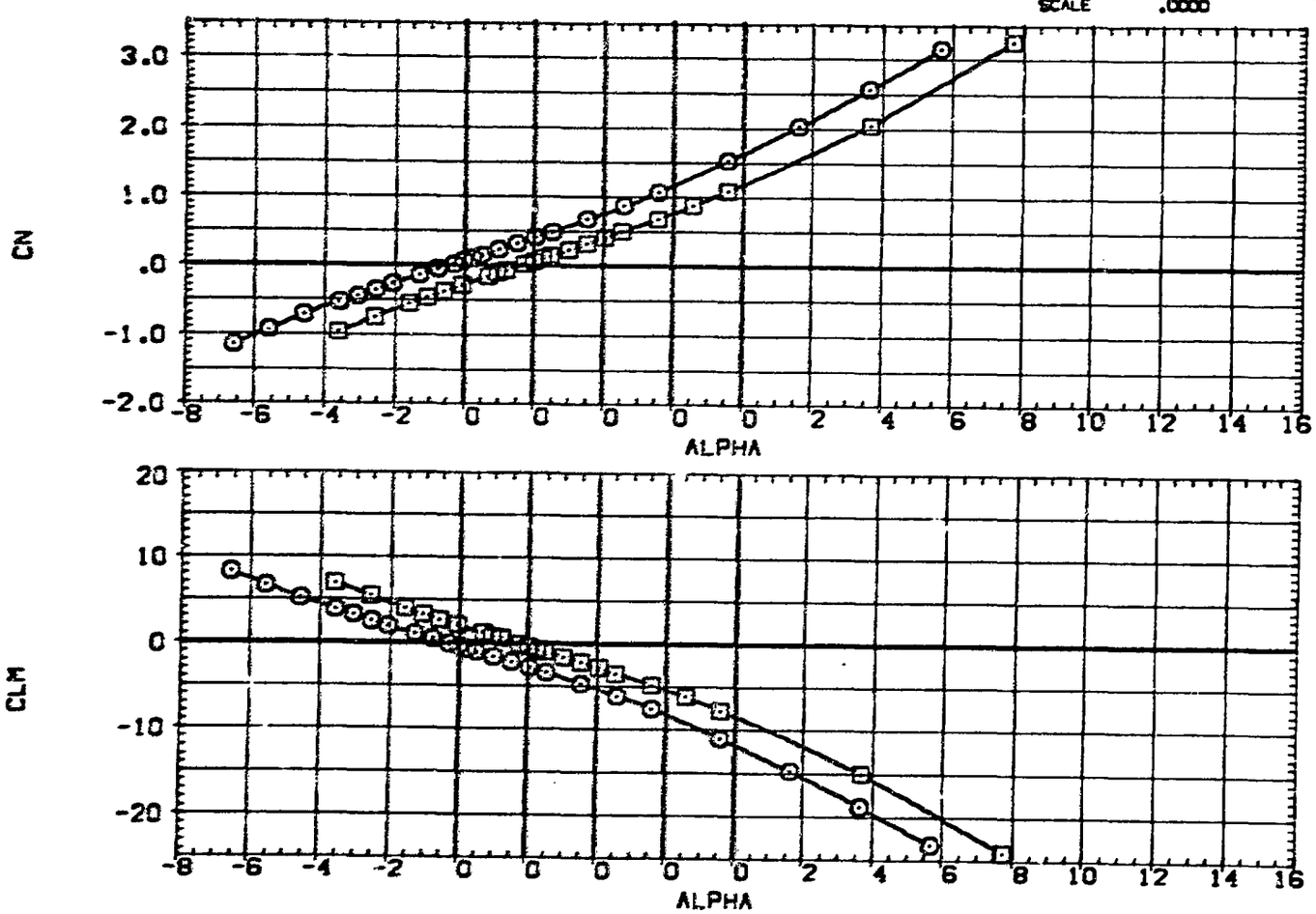
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.00, LAMBDA=57.3

AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3801)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	.000	FRCORD	7.000
□	.800	LAMDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

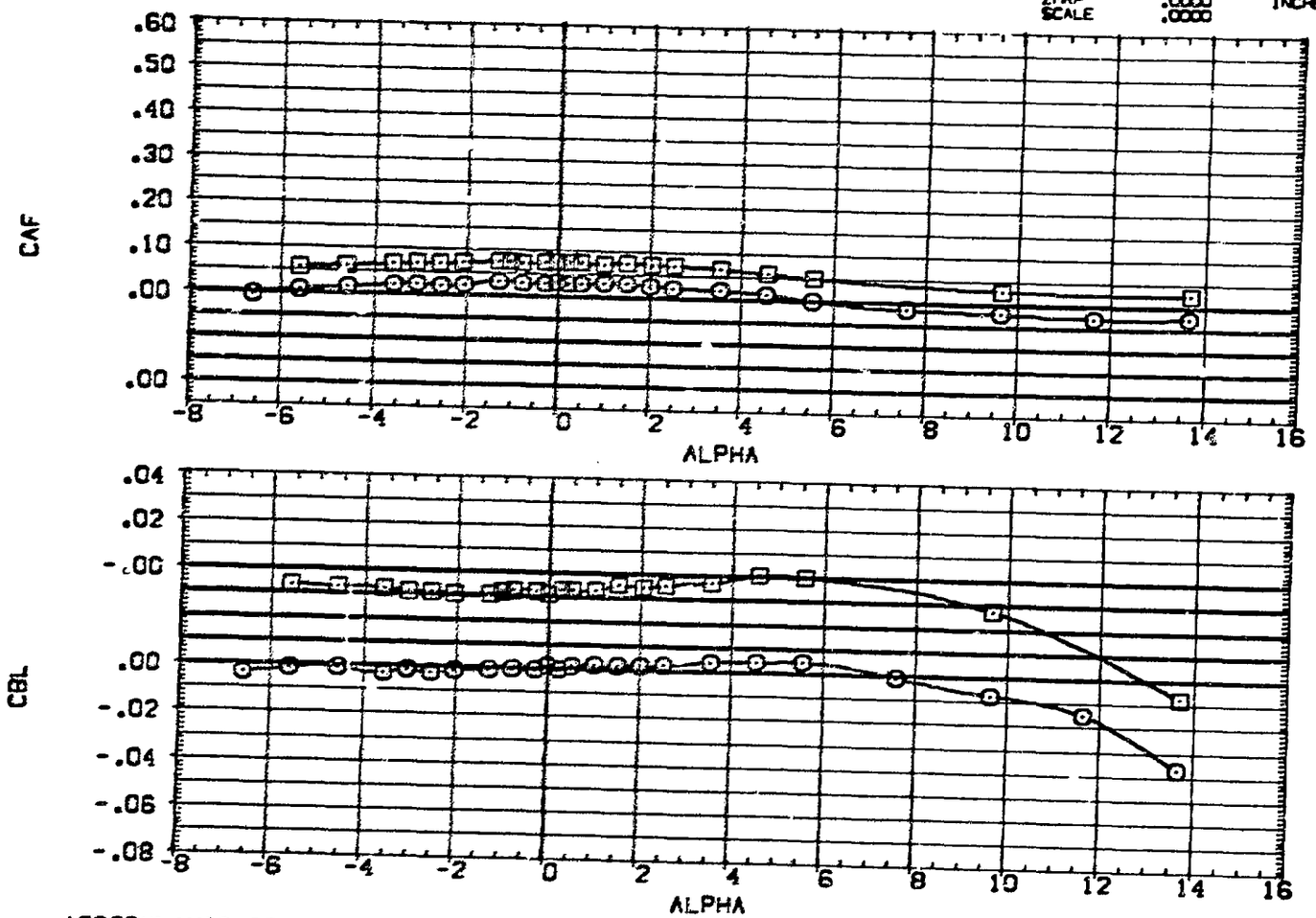
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3B01)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.501	PHI	.000	FRCRD	7.000
	.600	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	INCHES



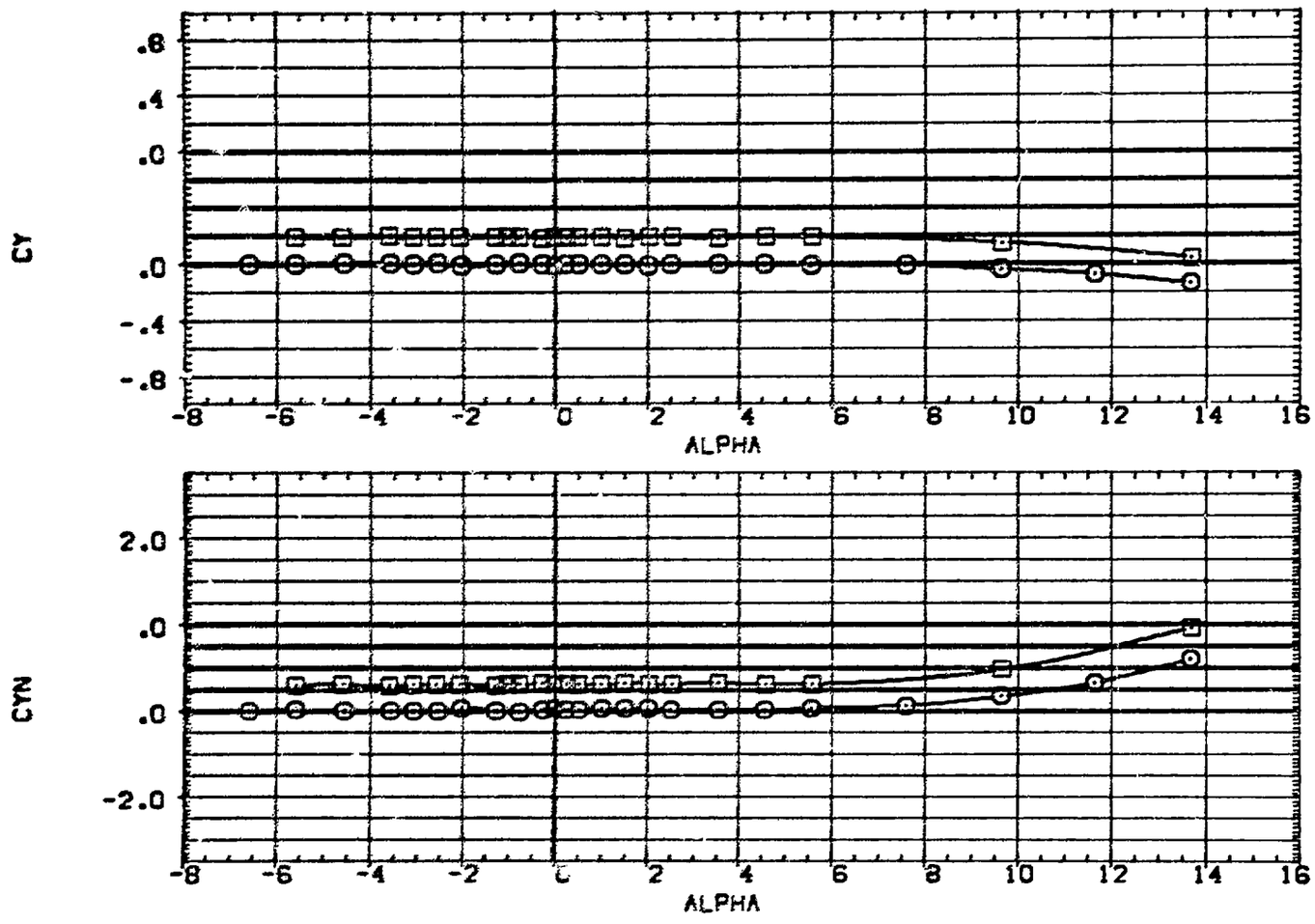
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B01)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.301	PHI	.000	PROFILE	7.000
○	.800	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

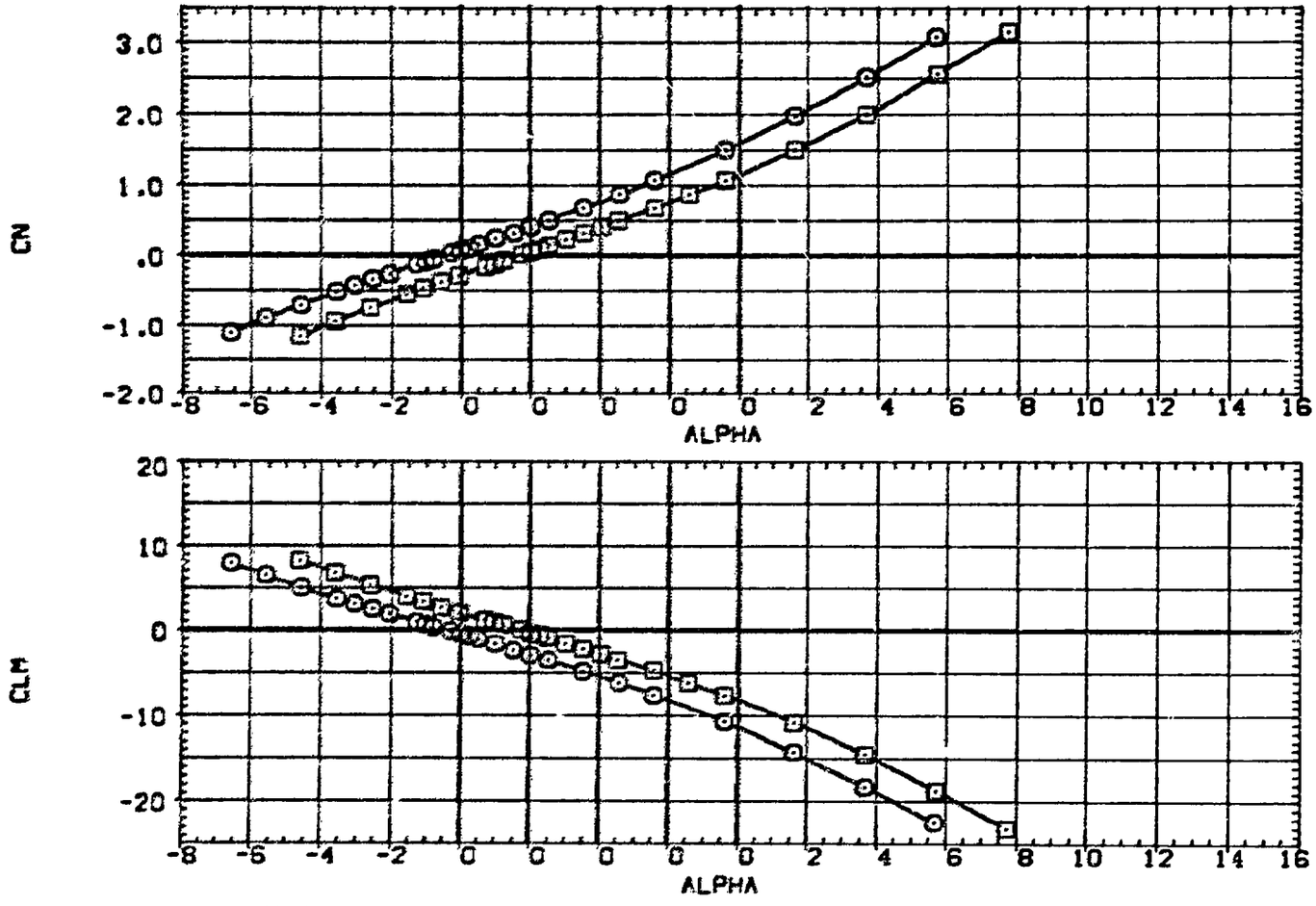
ALPHA

AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B02)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	22.500	FRCORG	7.000
□	.601	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



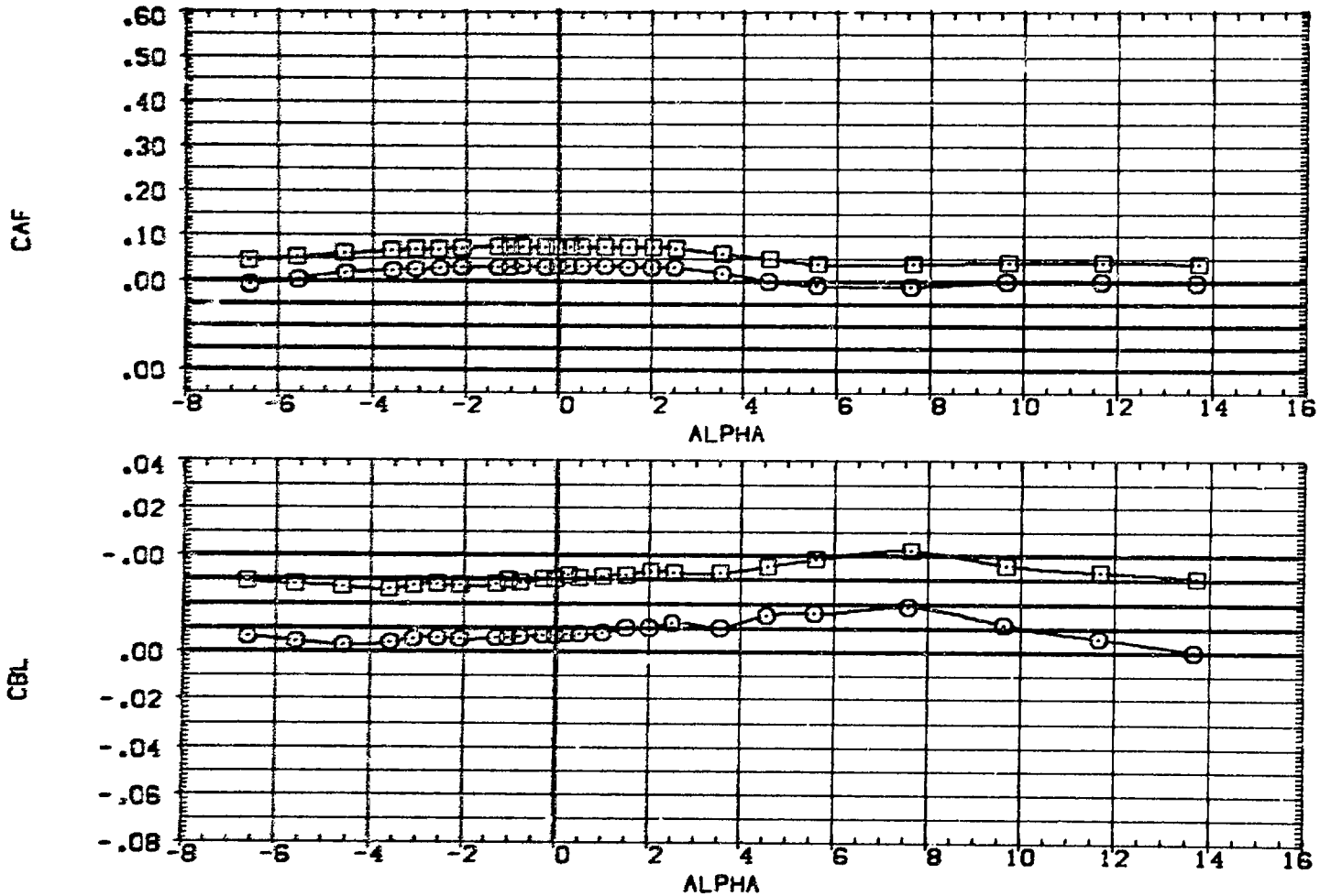
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3802)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.50	PHI	22.500	FRCORG	7.000
□	.60	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



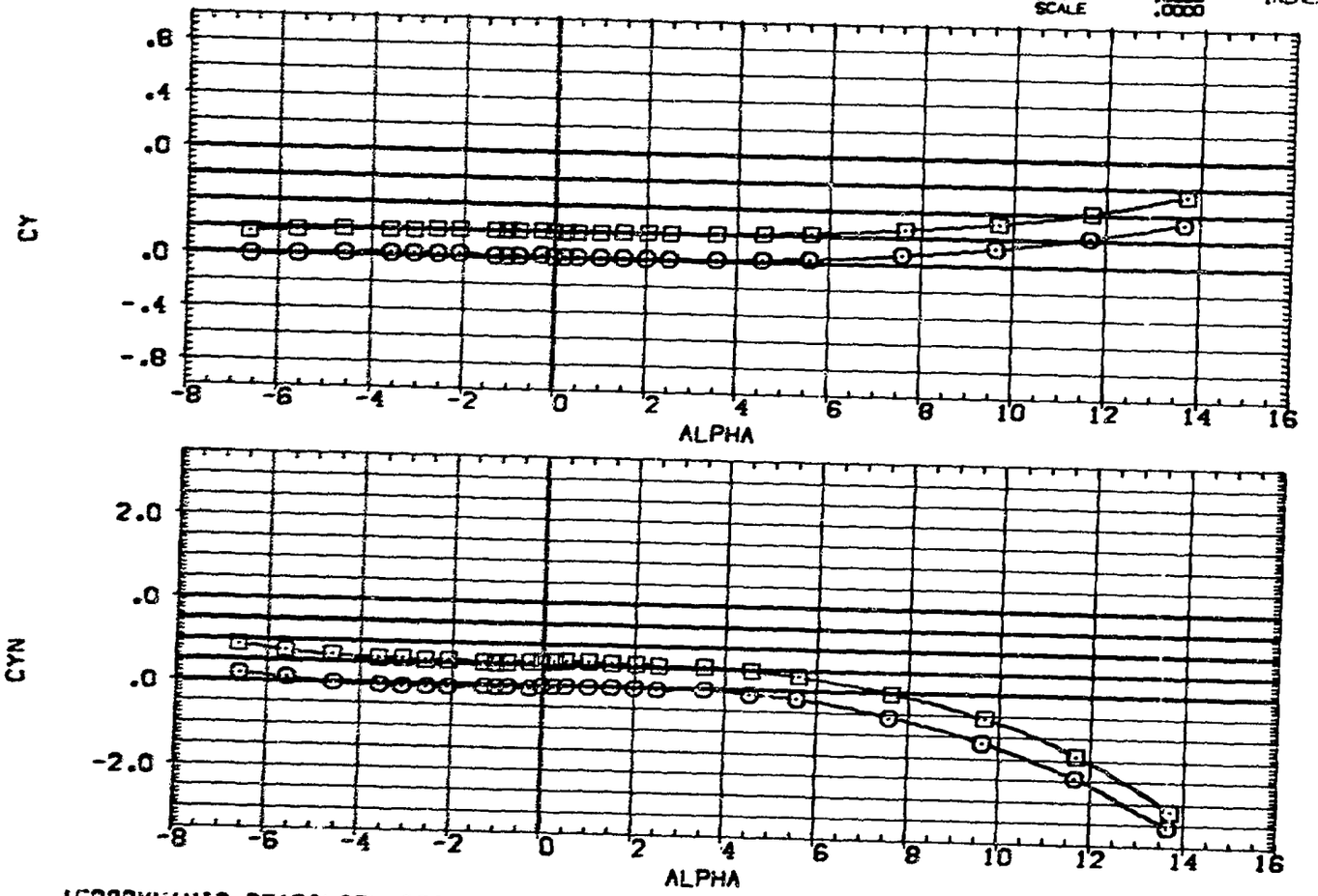
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3802)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.501	PHI	22.500	FRCORD	7.000
	.601	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



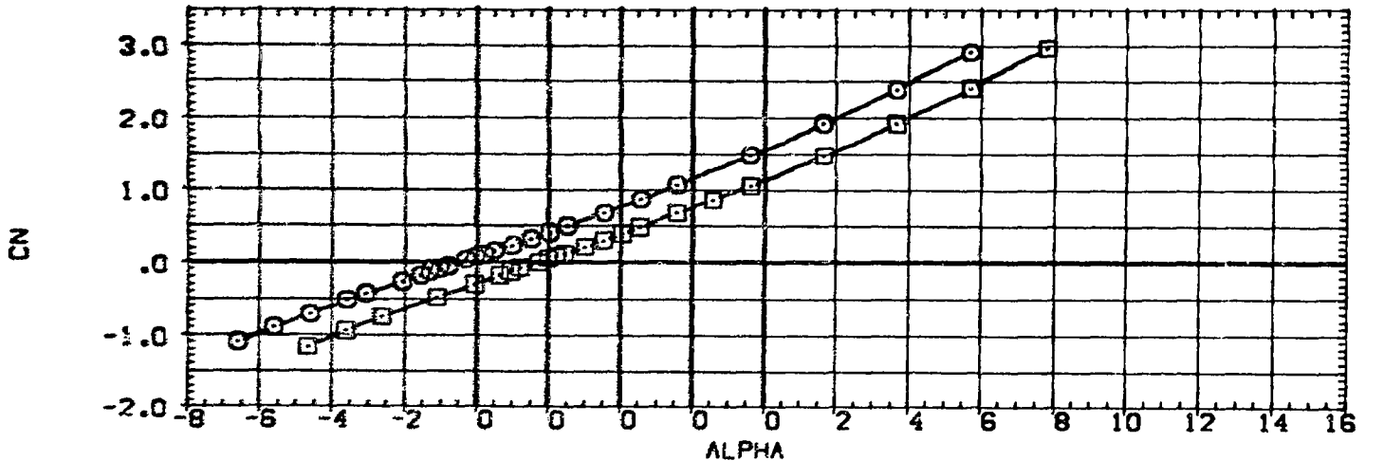
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

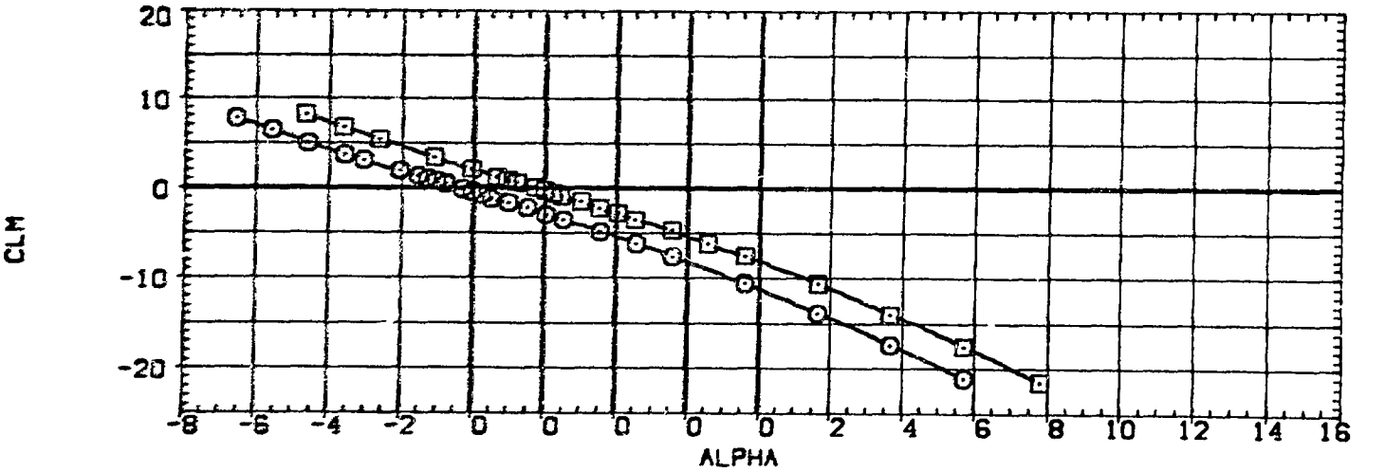
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B03)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FREQRD	7.000
□	.600	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





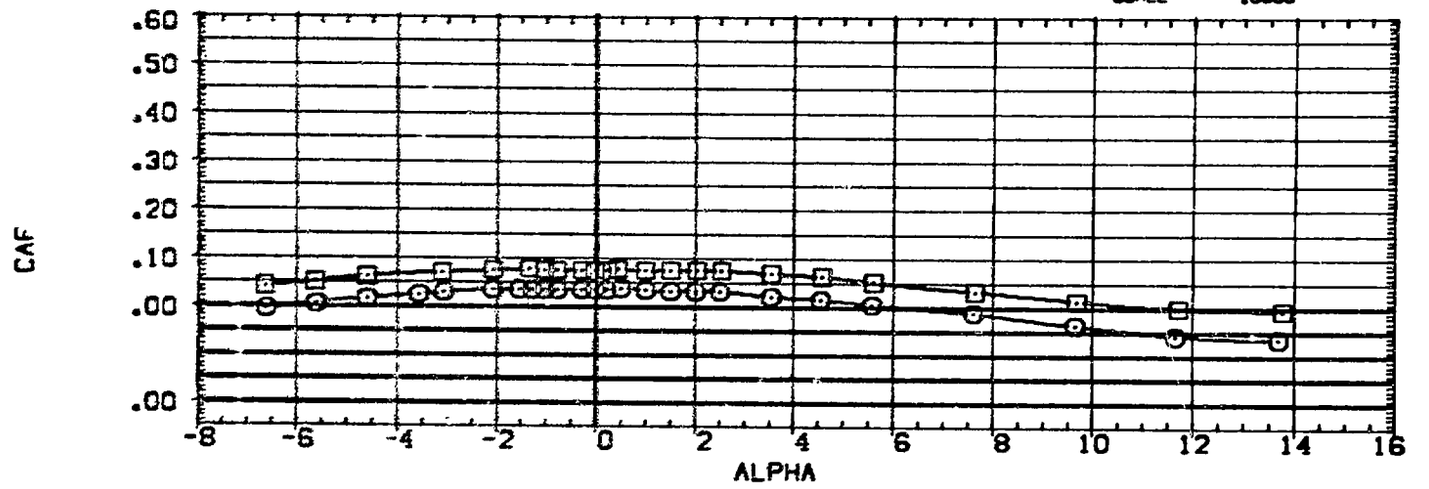
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

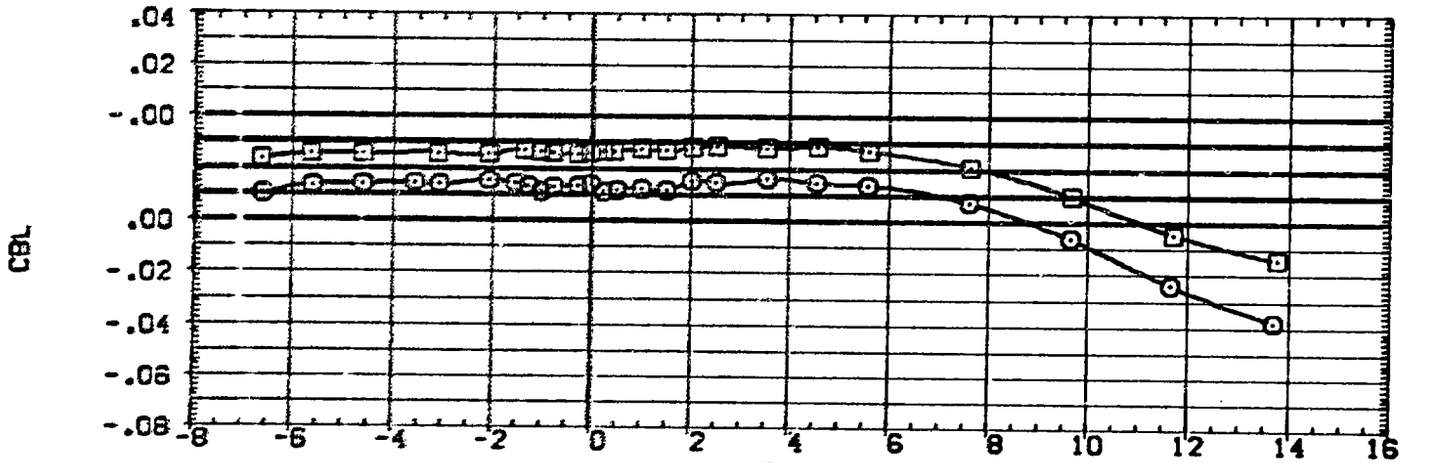
AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3803)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCRD	7.000
□	.600	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





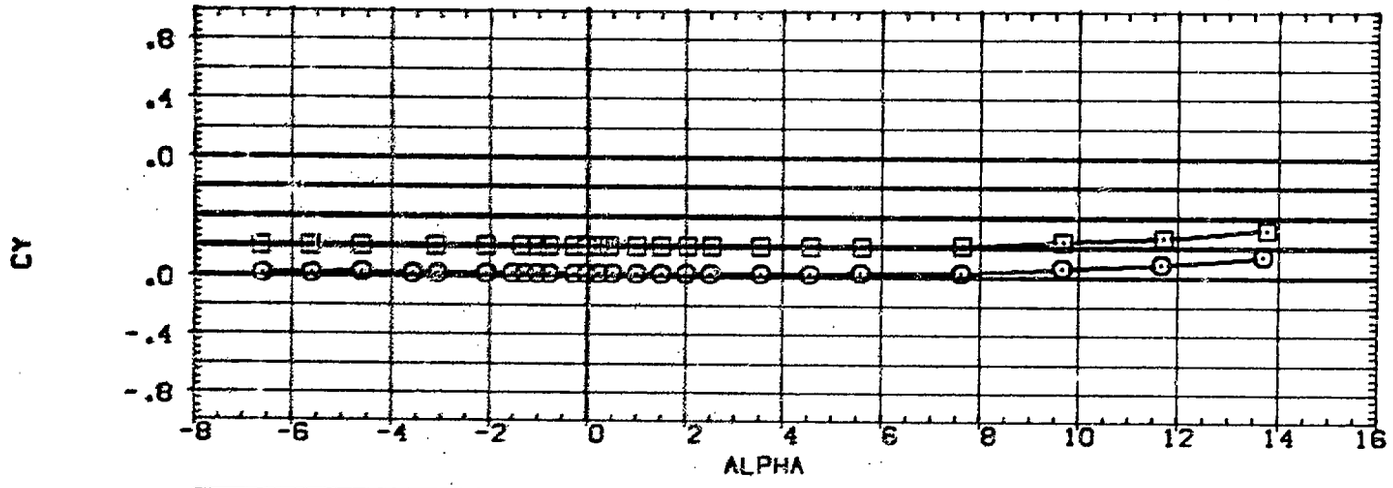
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

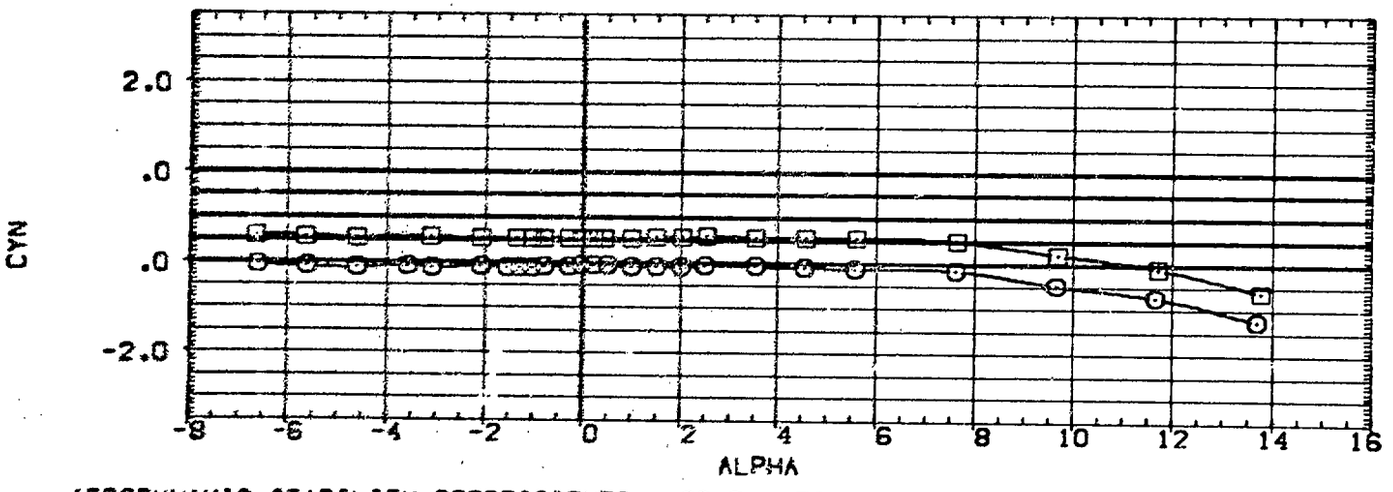
AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B03)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCORG	7.000
□	.600	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





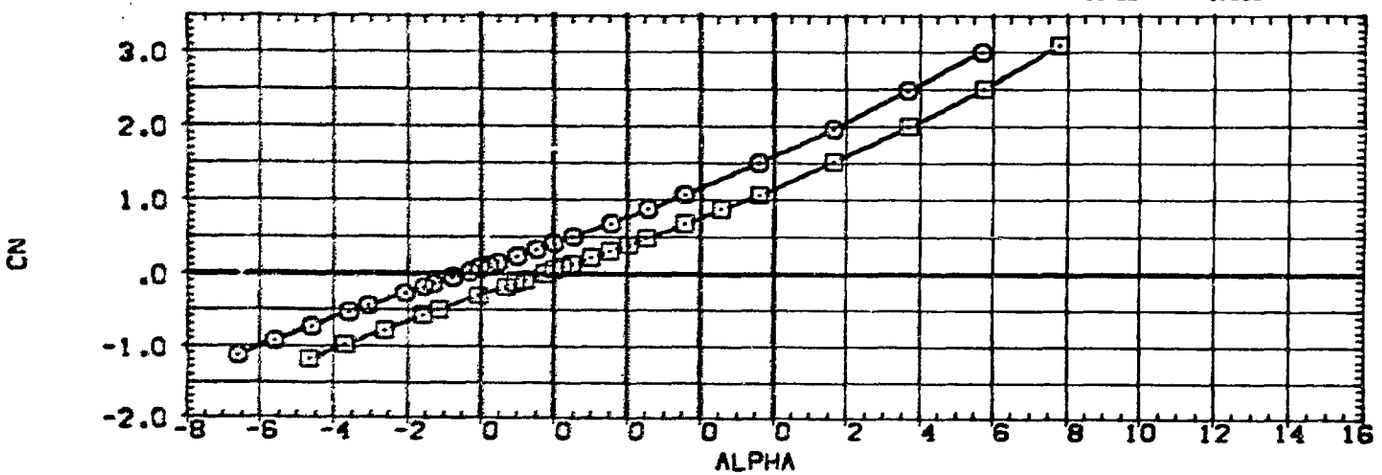
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

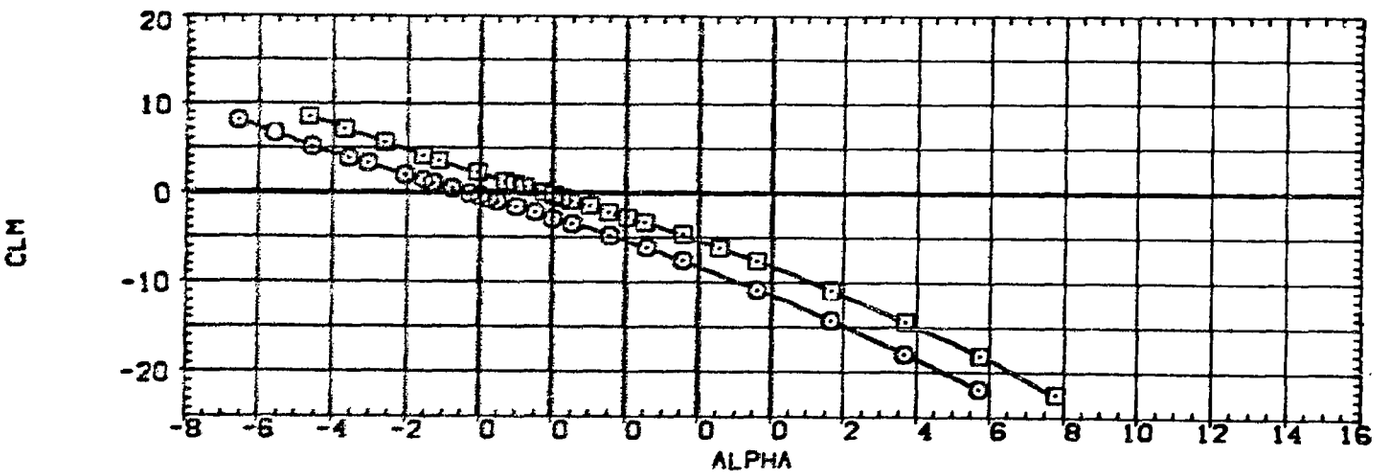
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B04)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	67.500	PROFID	7.000
□	.604	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





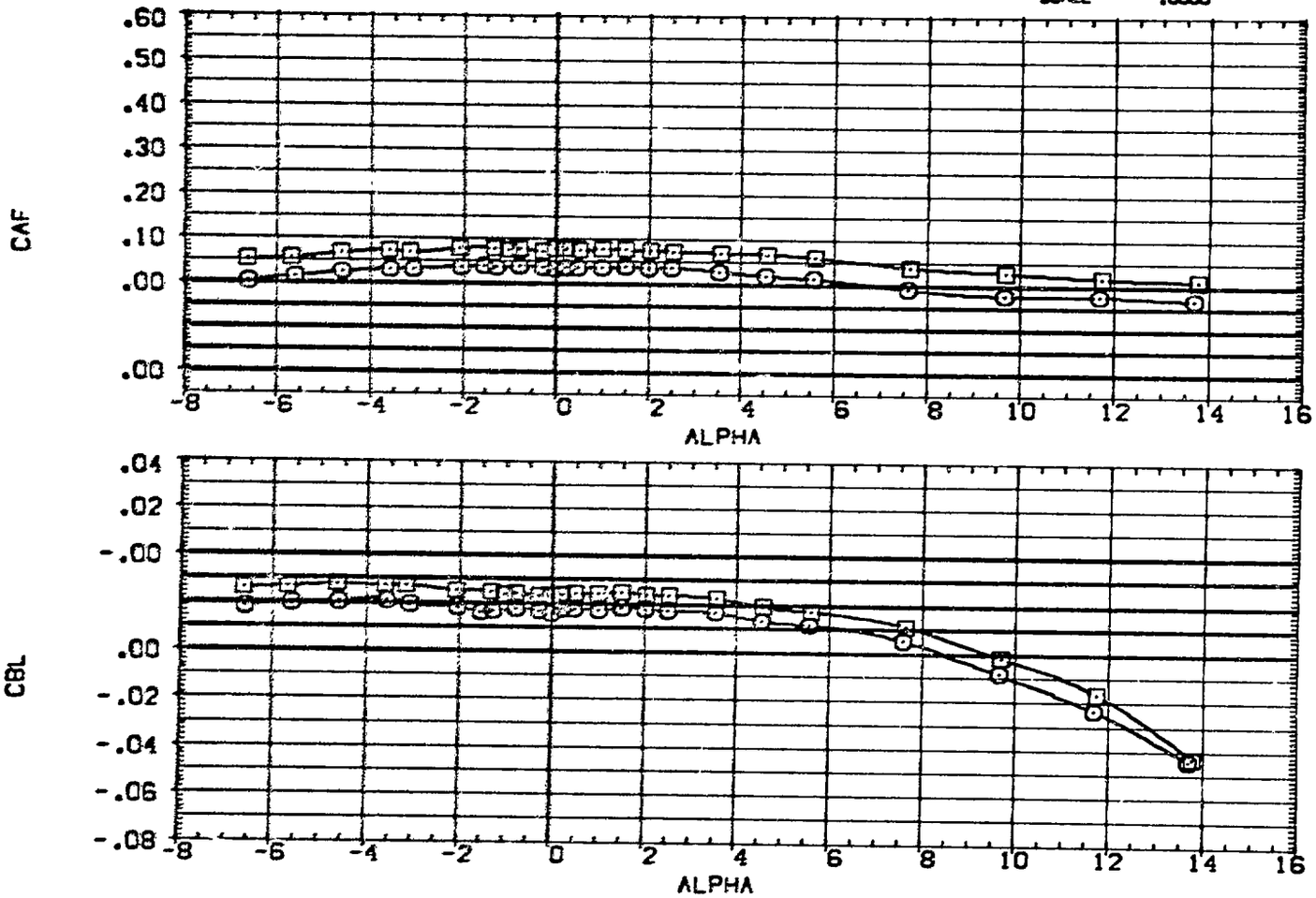
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B04)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	67.500	FRCORD	7.000
□	.604	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



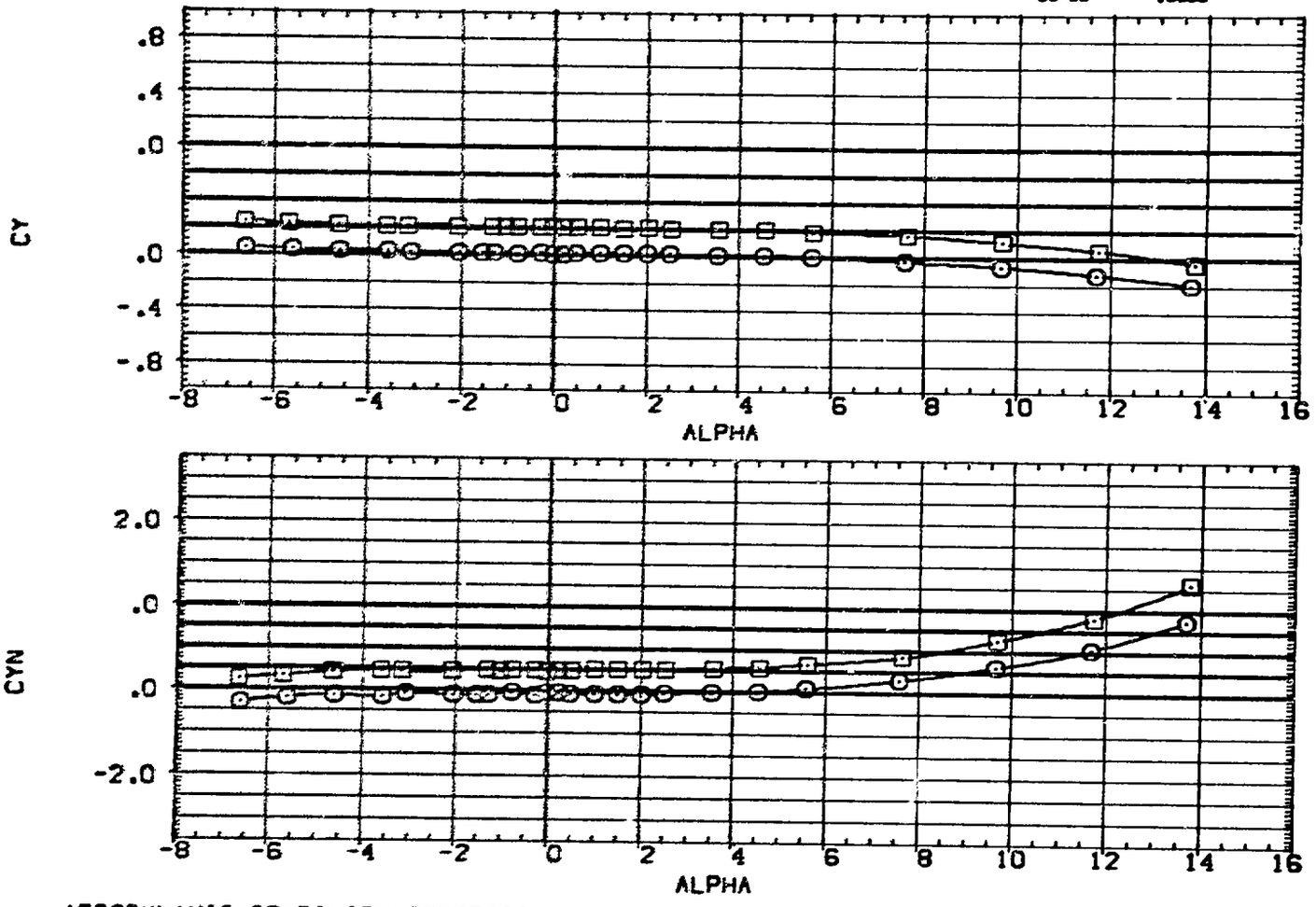
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3804)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.500	PHI	67.500	FRCORD	7.000
□	.604	LAMBDA	.000	THETA	-10.000
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



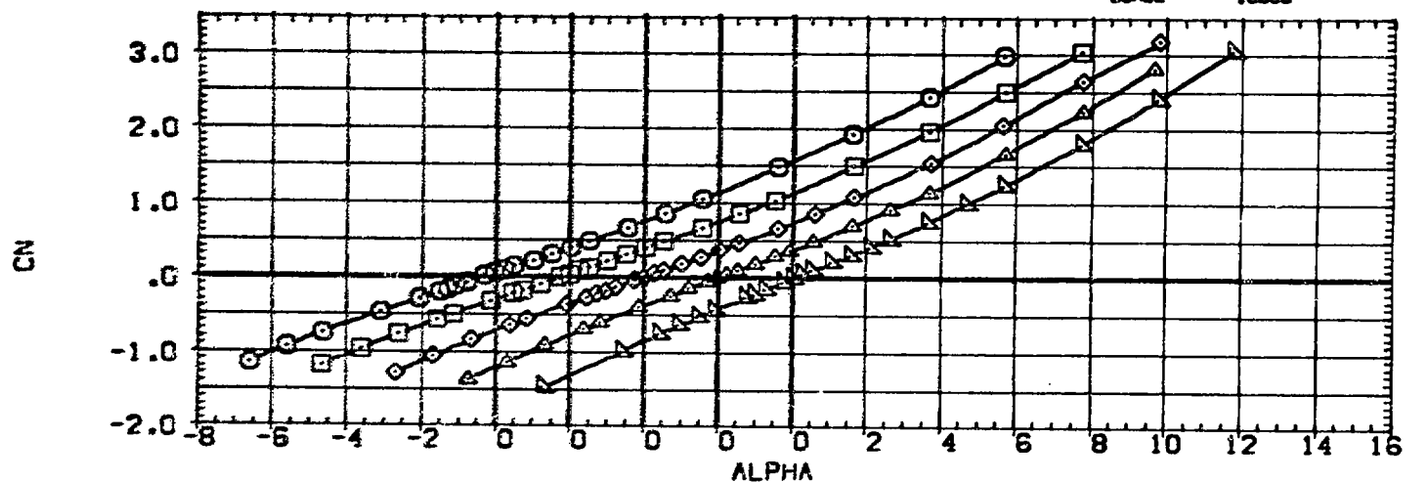
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = -10.0

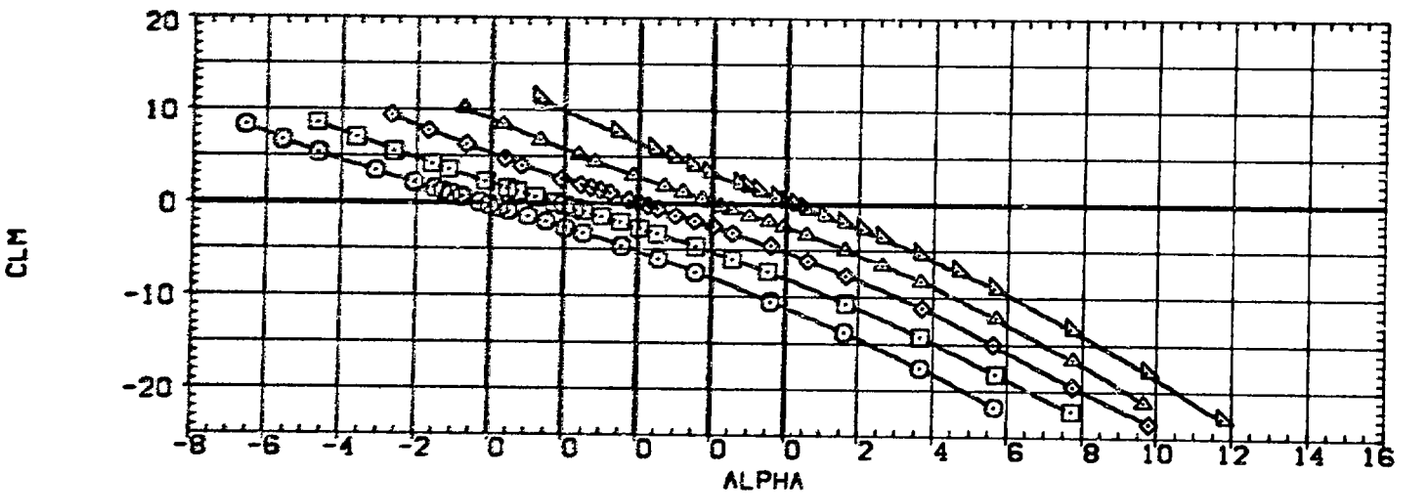
AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B14)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.503	PHI	.000	FRCORD	7.000
○	.601	LAMBDA	.000	THETA	22.500
◇	.801	CR/D	1.750	B/2D	.660
△	.857				
▽	.851				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





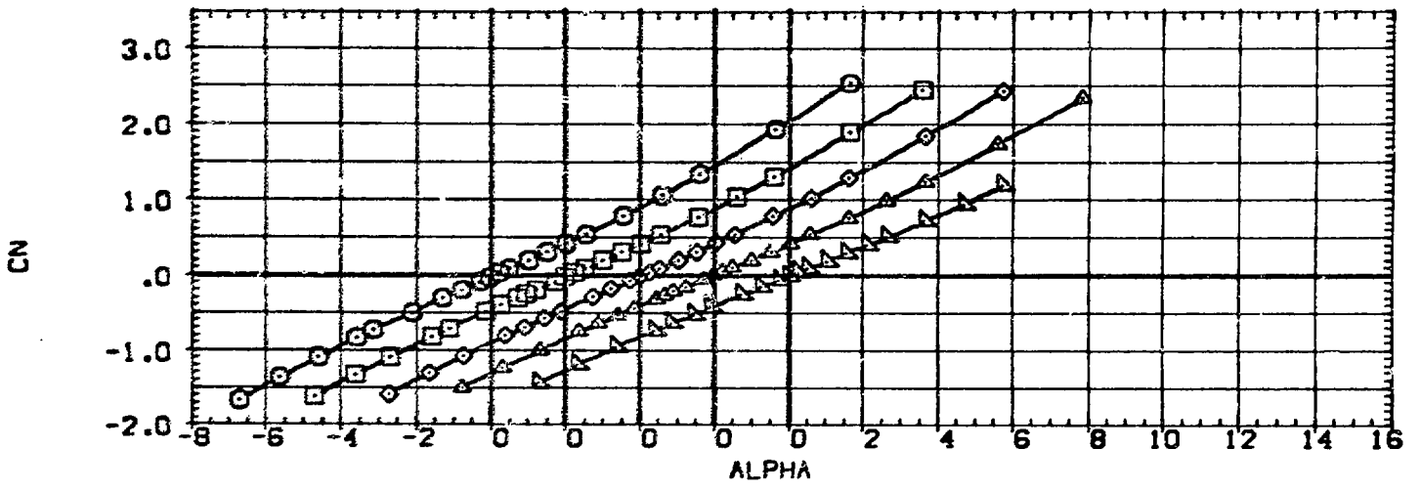
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

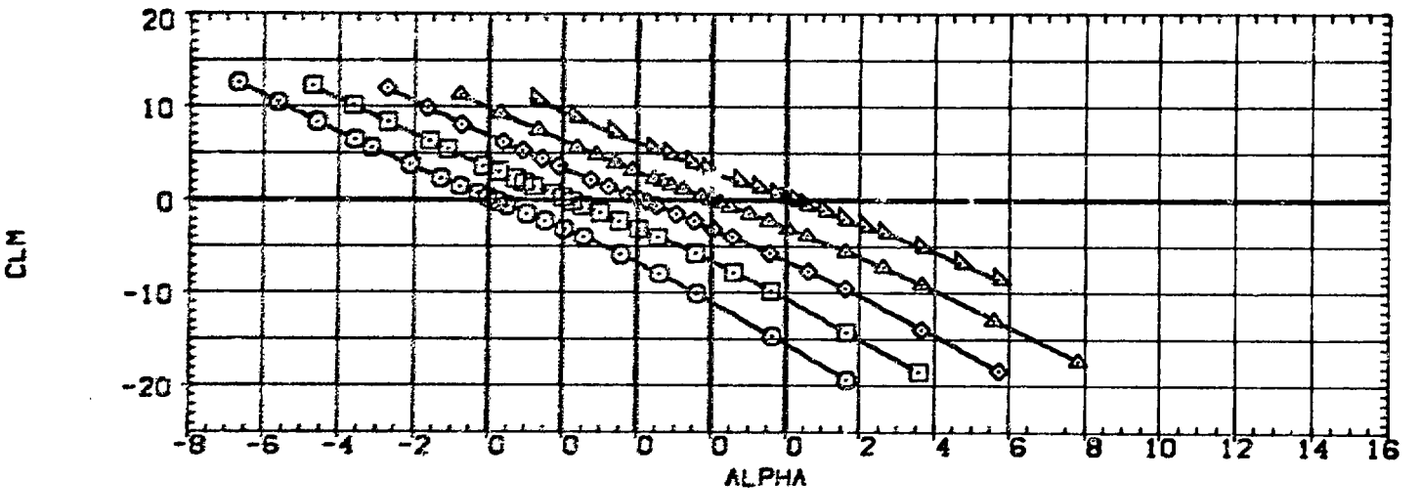
AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B14)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.003	PHI	.000	FRCORD	7.000
□	1.047	LAMBDA	.000	THETA	22.500
△	1.102	CR/D	1.750	B/2D	.660
◇	1.201				
▽	1.295				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
AMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





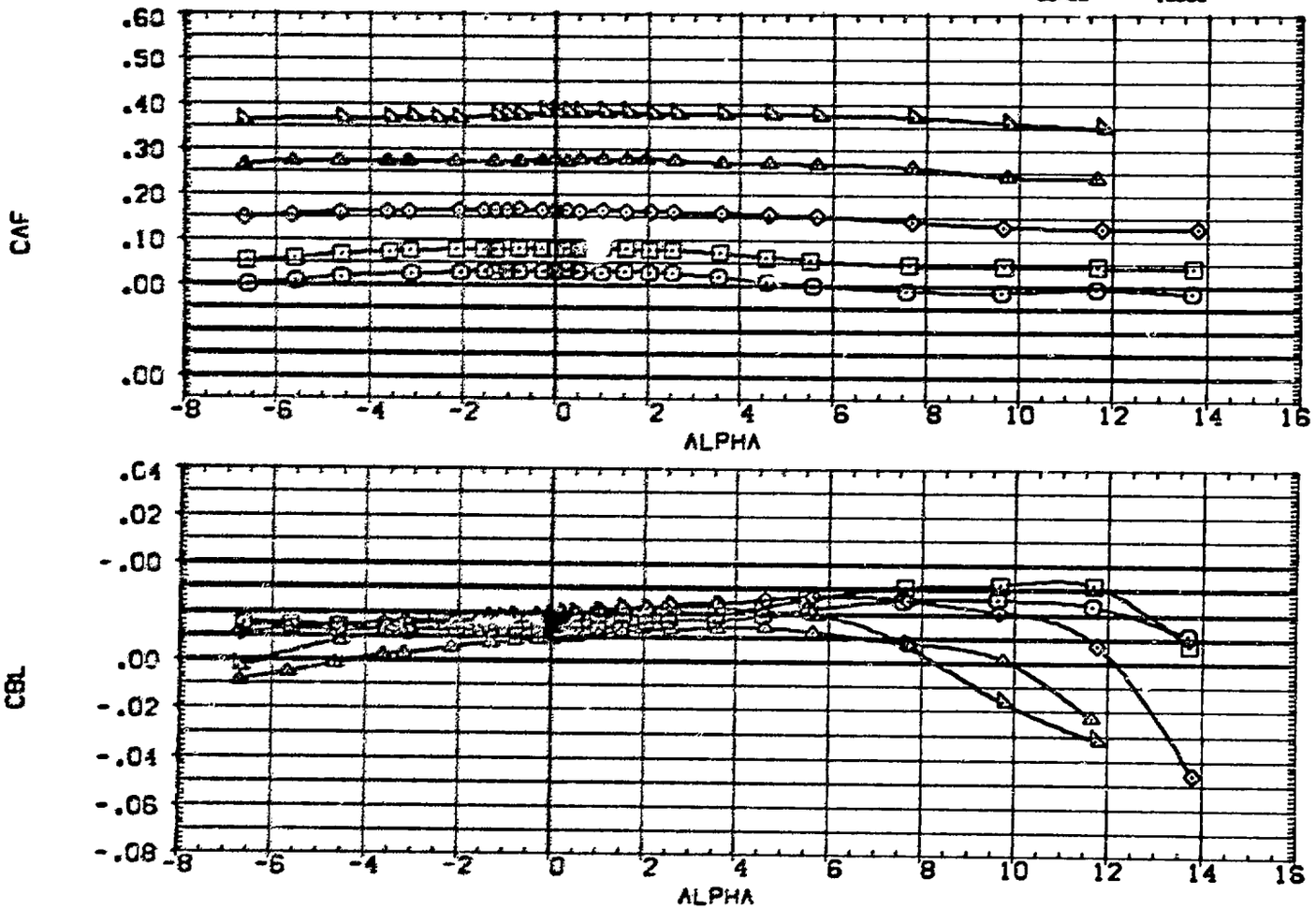
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN. BIF1 (AX3B14)

SYMBOL	MACH		PARAMETRIC VALUES		
△	.503	PHI	.000	FRCPID	7.000
◇	.601	LAMBDA	.000	THETA	22.500
□	.801	CR/D	1.750	B/2D	.660
◇	.897				
△	.951				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



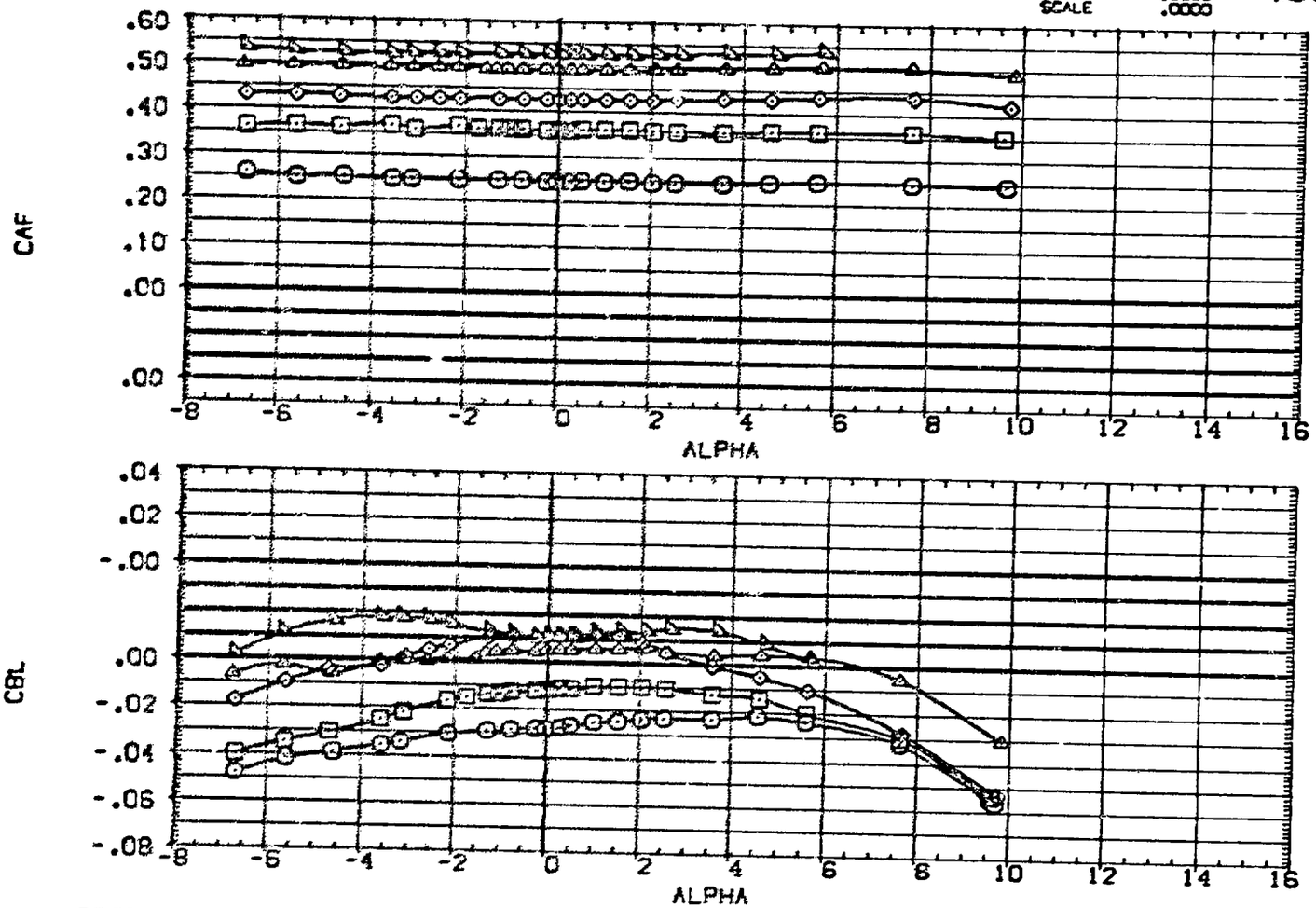
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3B14)

SYMBOL	MACH		PARAMETRIC VALUES		
◇	1.003	PHI	.000	FRCORG	7.000
△	1.047	LAMBDA	.000	THETA	22.500
□	1.102	CR/D	1.750	B/2D	.660
◇	1.20				
△	1.295				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B14)

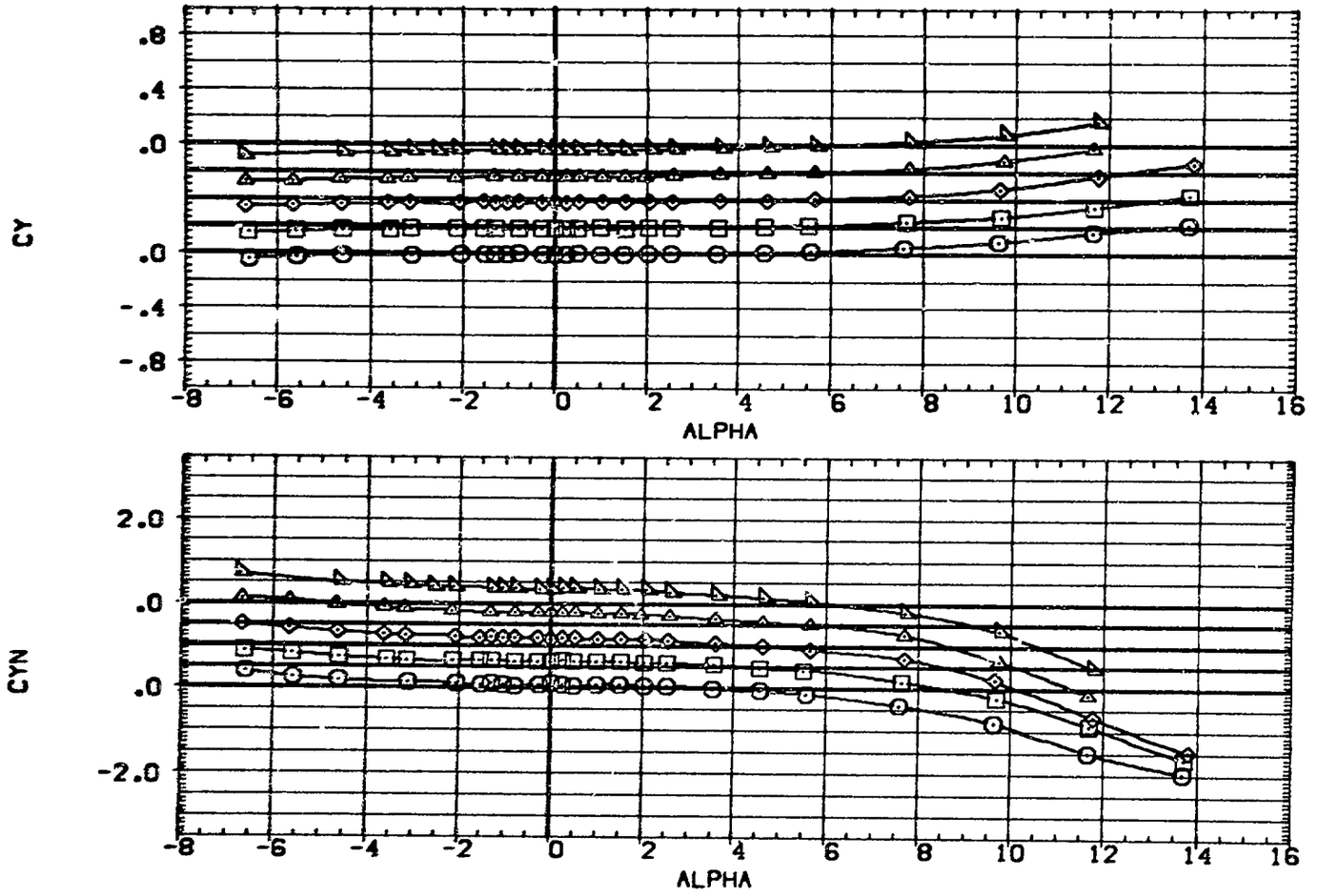
SYMBOL	MACH
○	.503
□	.601
◇	.801
△	.897
◁	.951

PARAMETRIC VALUES

PHI	.000	FRCORD	7.000	
LAMBDA	.000	THETA	22.500	
CR/D	1.750	B/2D	.660	

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



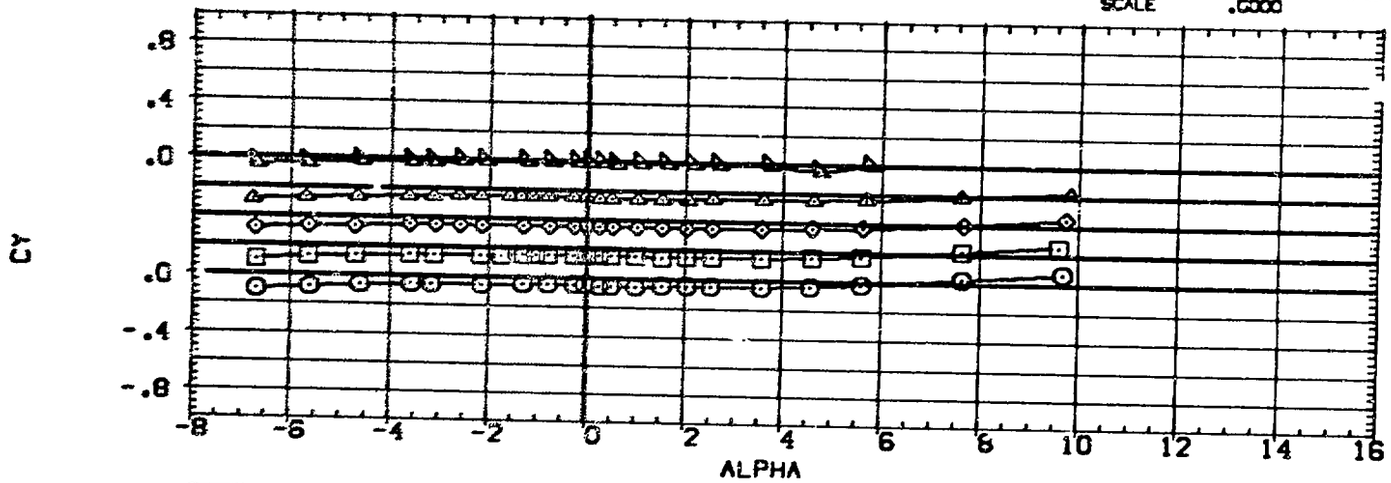
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

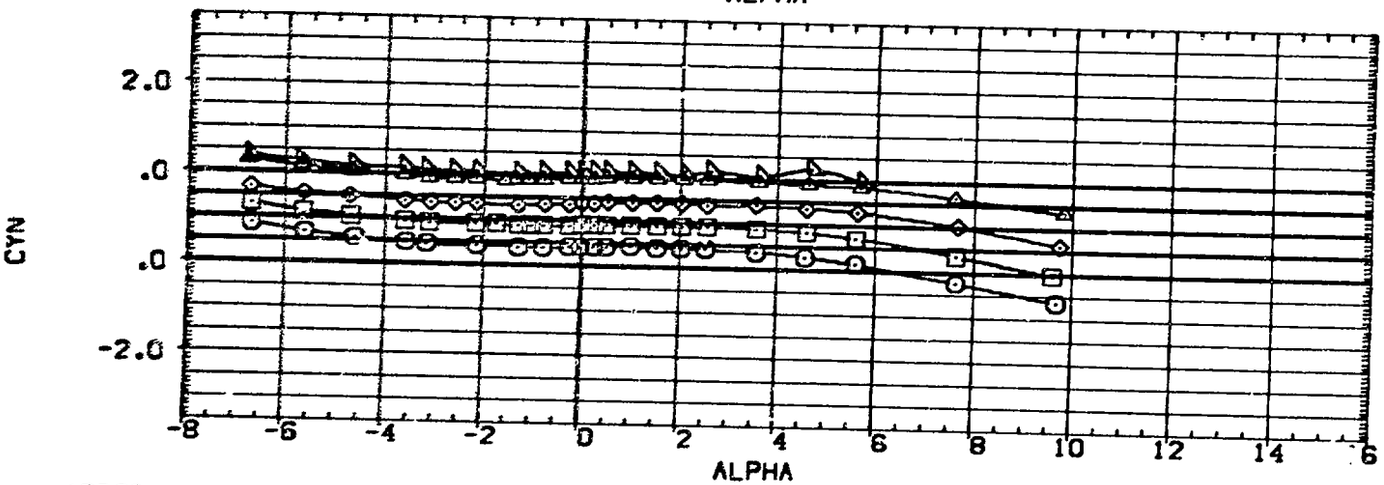
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B14)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.003	PHI	.000	FRORO	7.000
□	1.047	LAMBDA	.000	THETA	22.500
◇	1.102	CR/D	1.750	B/2D	.660
◁	1.201				
△	1.295				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.6000	





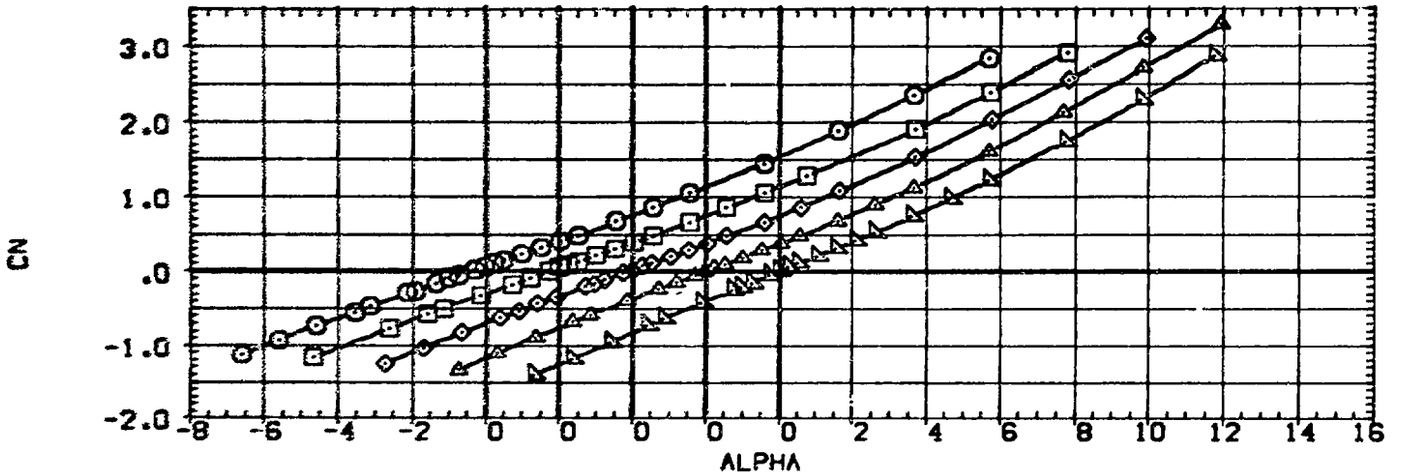
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

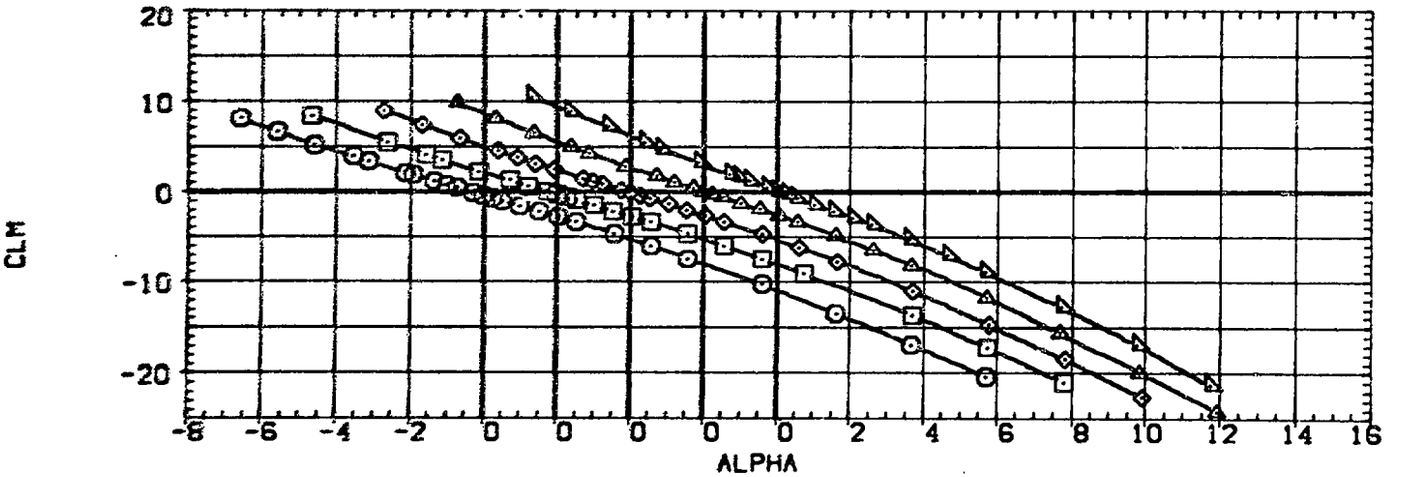
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B15)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.500	PHI	22.500	FRCORD	7.000
□	.600	LAMBDA	.000	THETA	22.500
◇	.800	CR/D	1.750	B/2D	.660
△	.900				
▽	.916				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





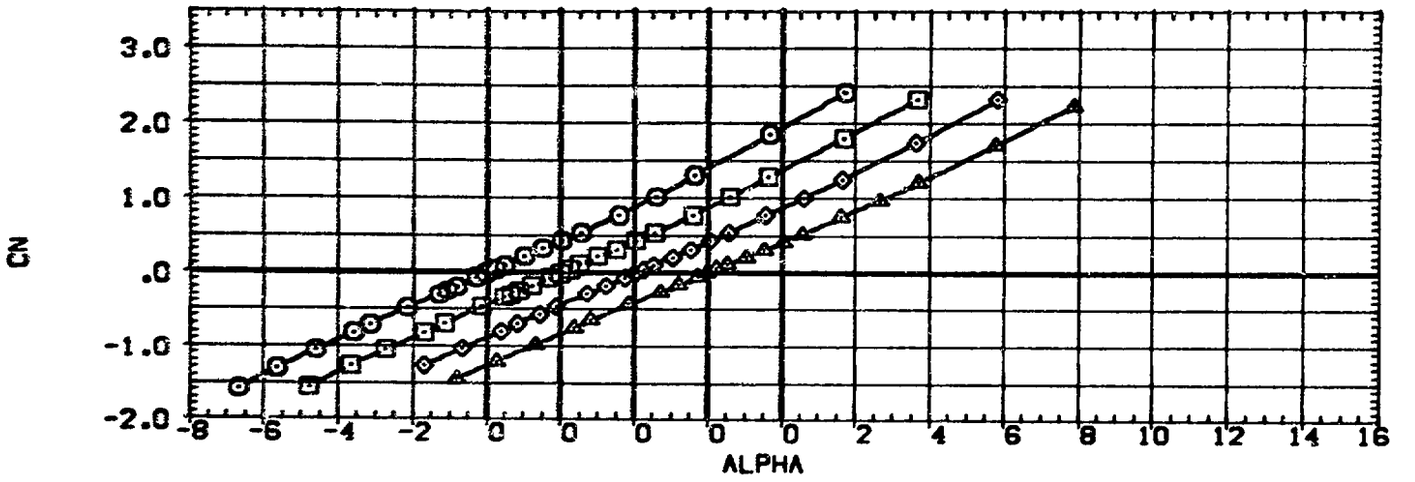
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

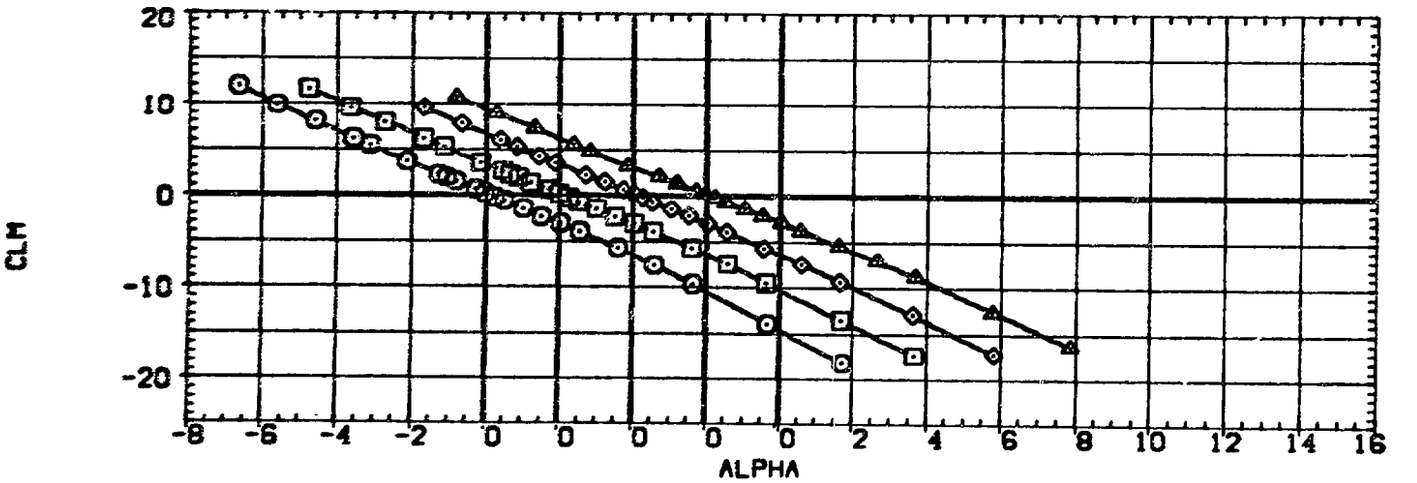
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B15)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.855	PHI	22.500	FRCORD	7.000
□	1.047	LAMBDA	.000	THETA	22.500
◇	1.058	CR/D	1.750	B/2D	.660
△	1.201				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





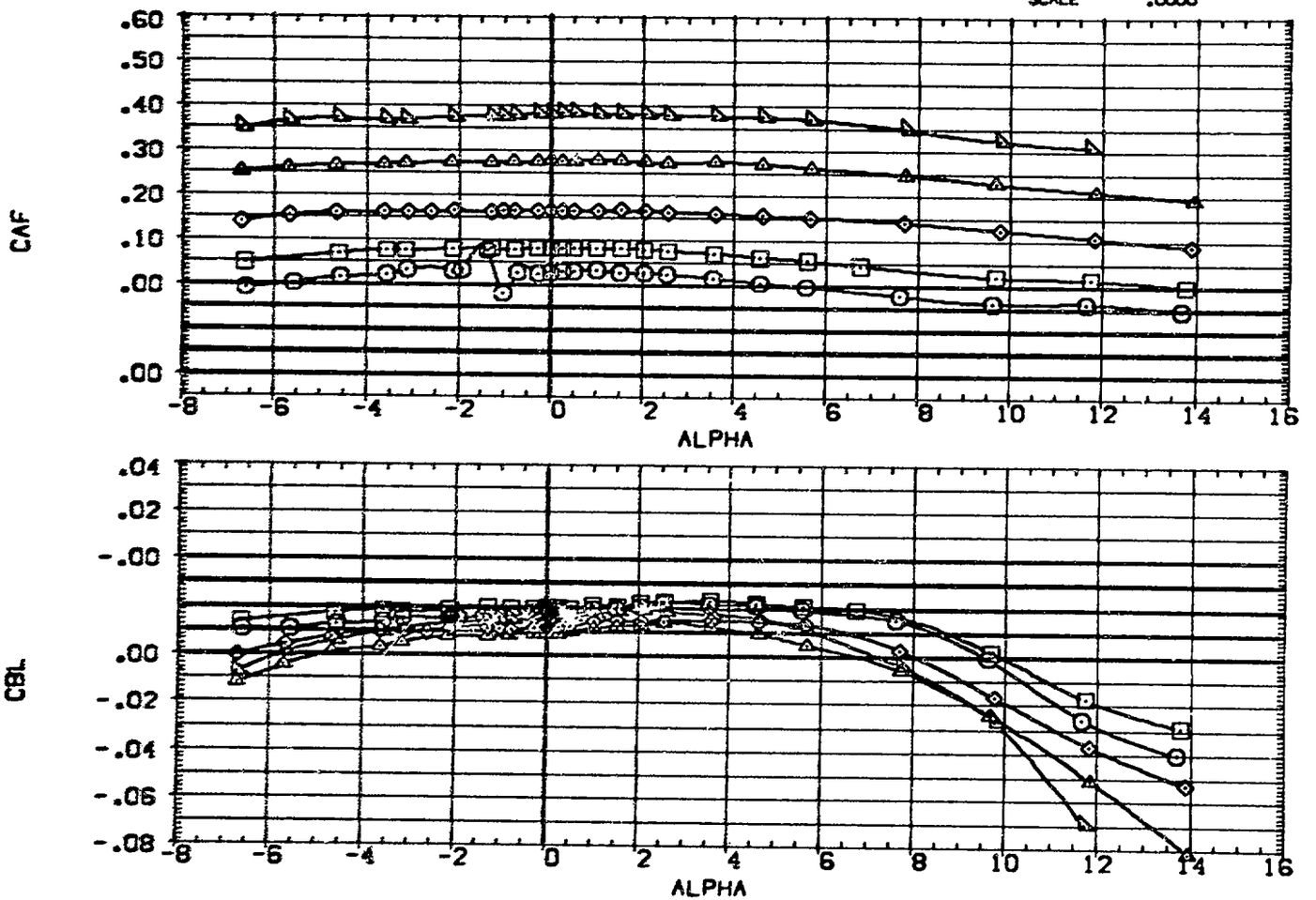
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B15)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.500	PHI	22.500	FRCORD	7.000
□	.600	LAMBDA	.000	THETA	22.500
◇	.800	CR/D	1.750	B/2D	.660
△	.900				
▷	.946				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



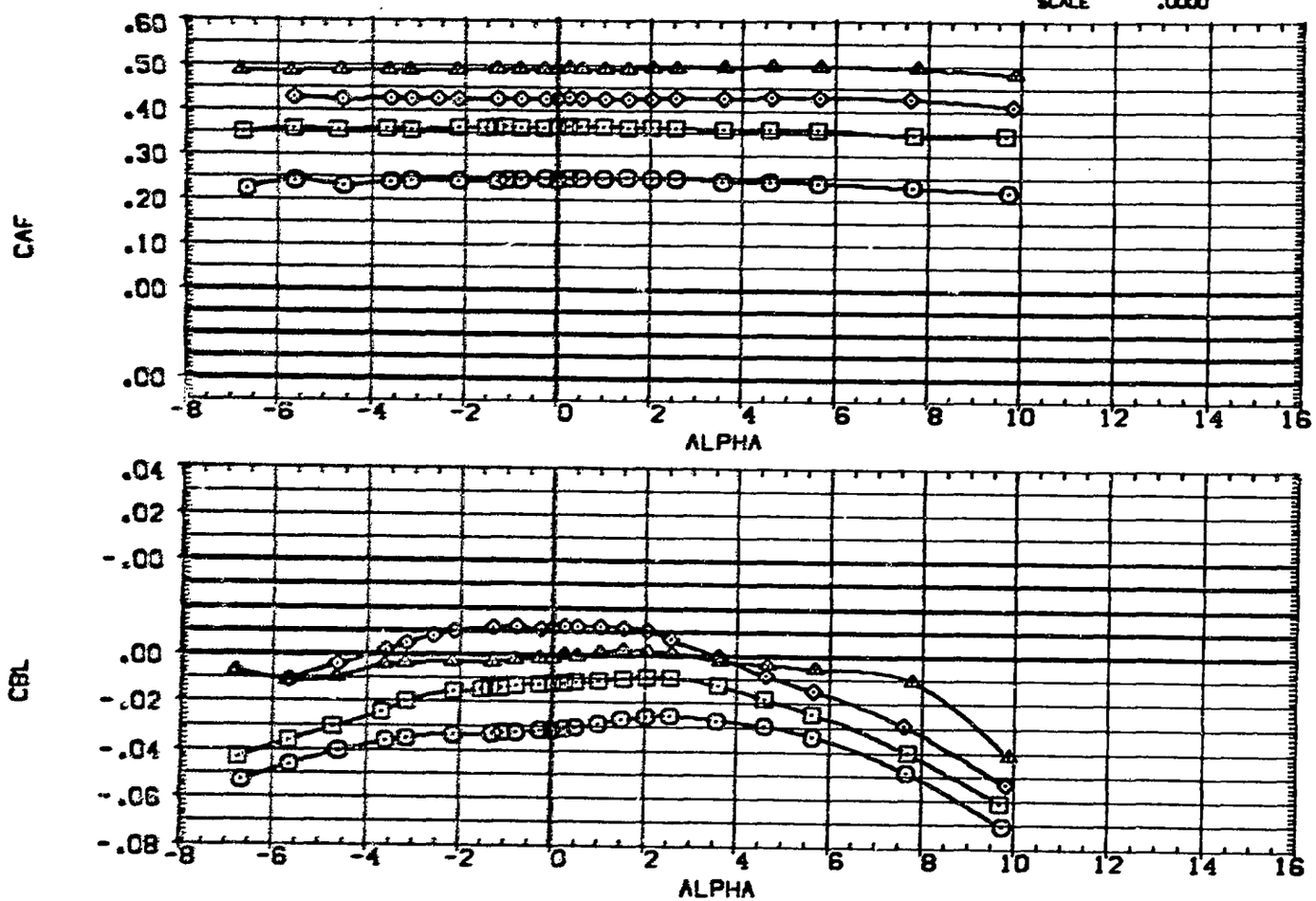
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B15)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.856	PHI	22.500	FRCORD	7.000
□	1.047	LAMBDA	.000	THETA	22.500
◇	1.098	CR/D	1.750	B/2D	.660
△	1.201				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



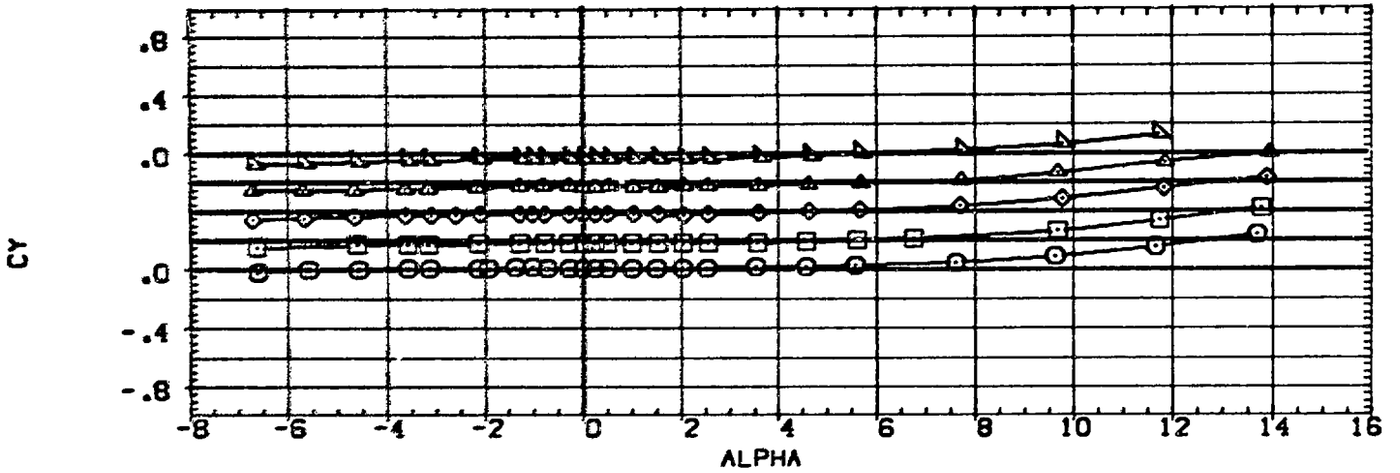
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

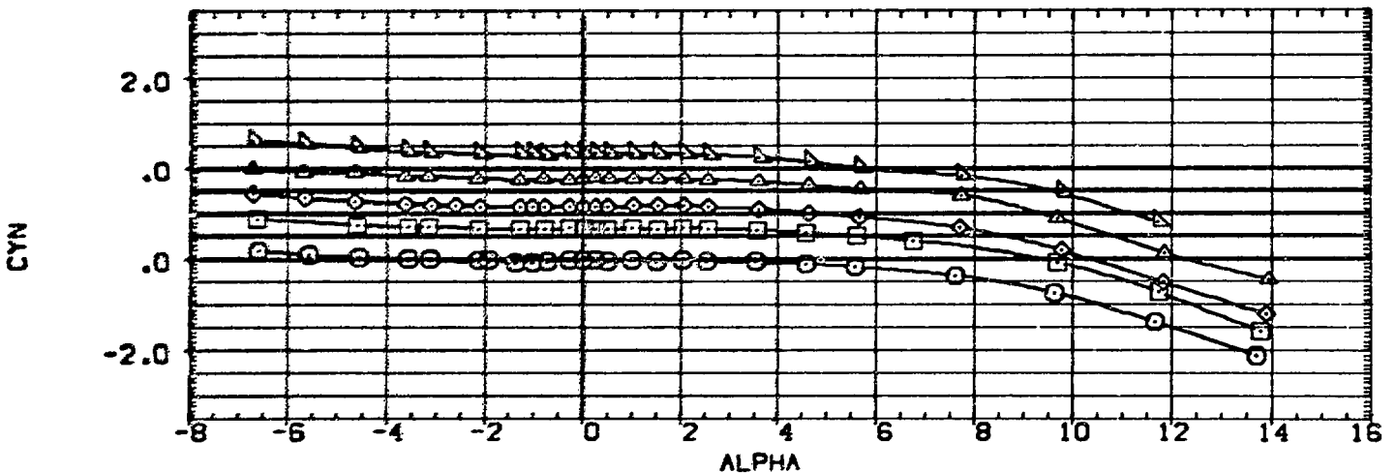
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B15)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.500	PHI	22.500	PHIORD	7.000
△	.600	LAMBDA	.000	THETA	22.500
◇	.800	CR/D	1.750	B/2D	.680
⊿	.900				
	.916				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





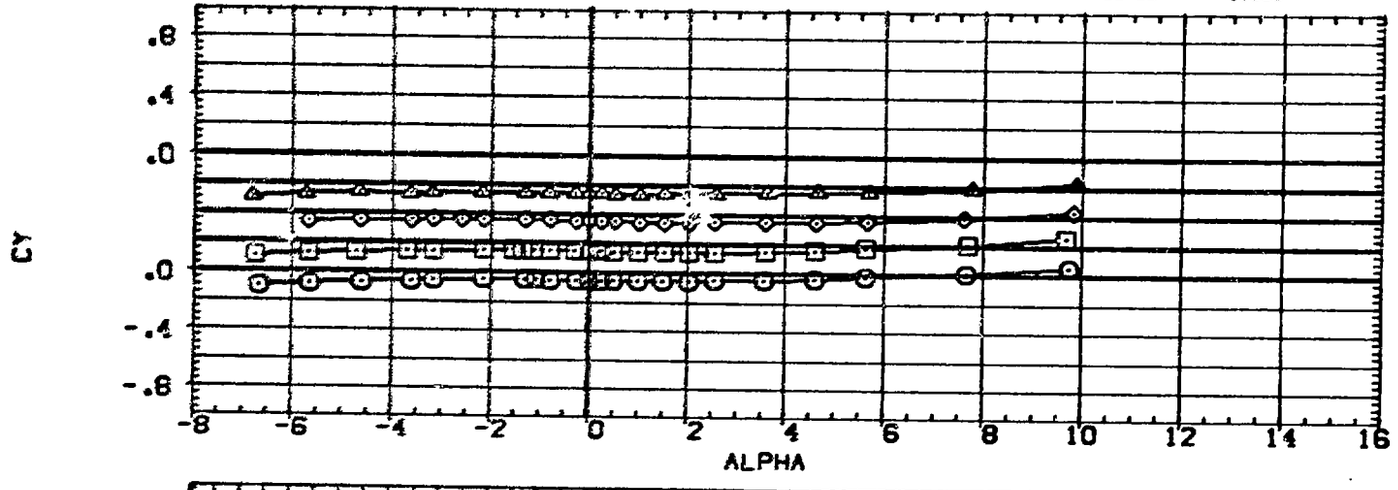
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

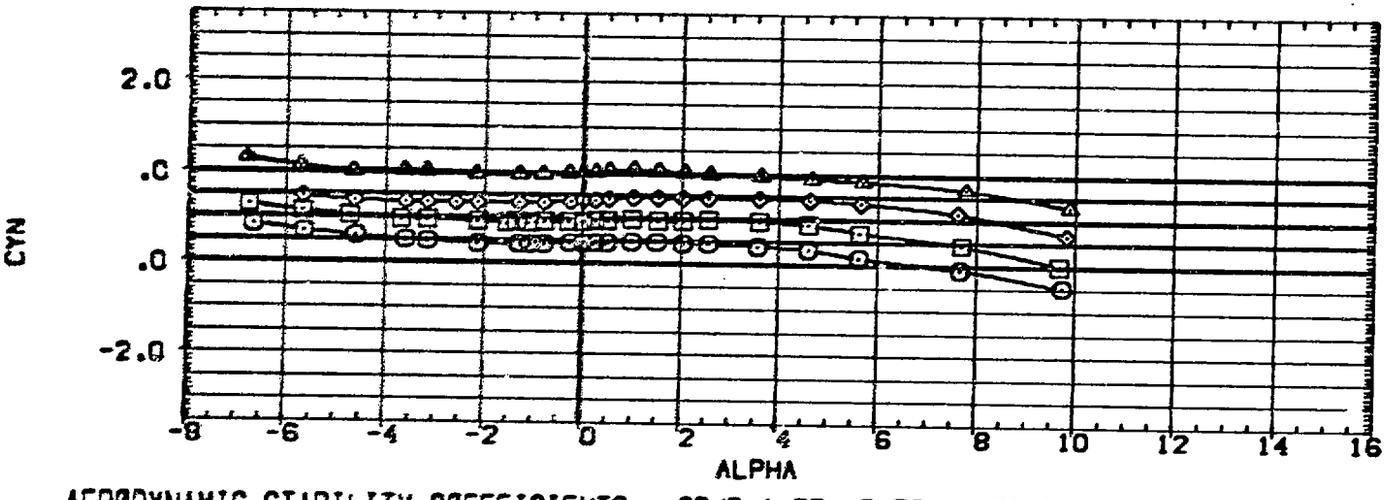
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B15)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.896	PHI	22.500	FRCORD	7.000
◇	1.047	LAMBDA	.000	THETA	22.500
□	1.098	CR/D	1.750	B/2D	.660
△	1.201				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





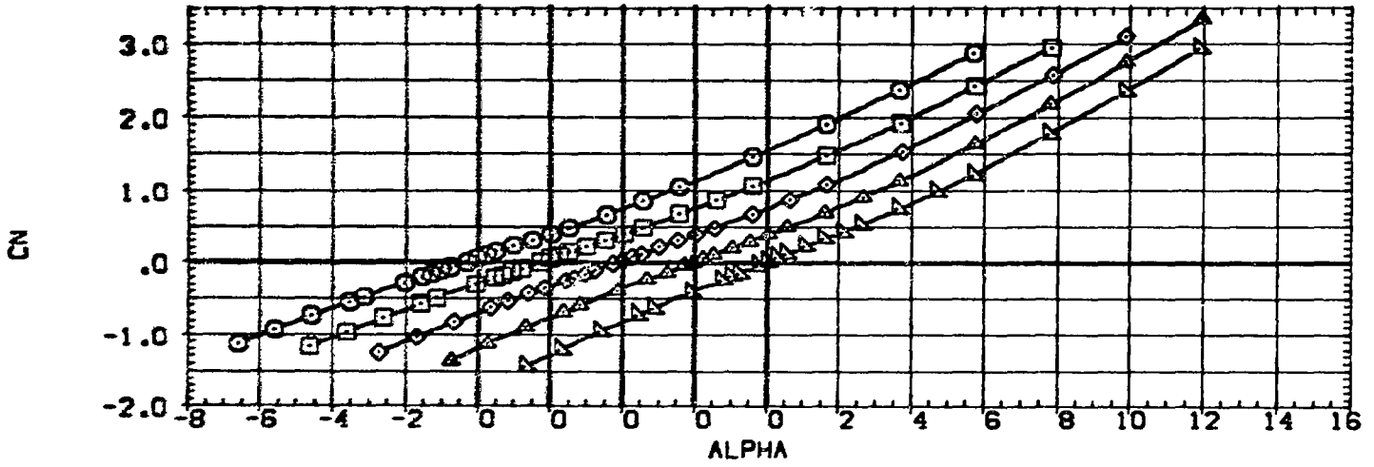
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

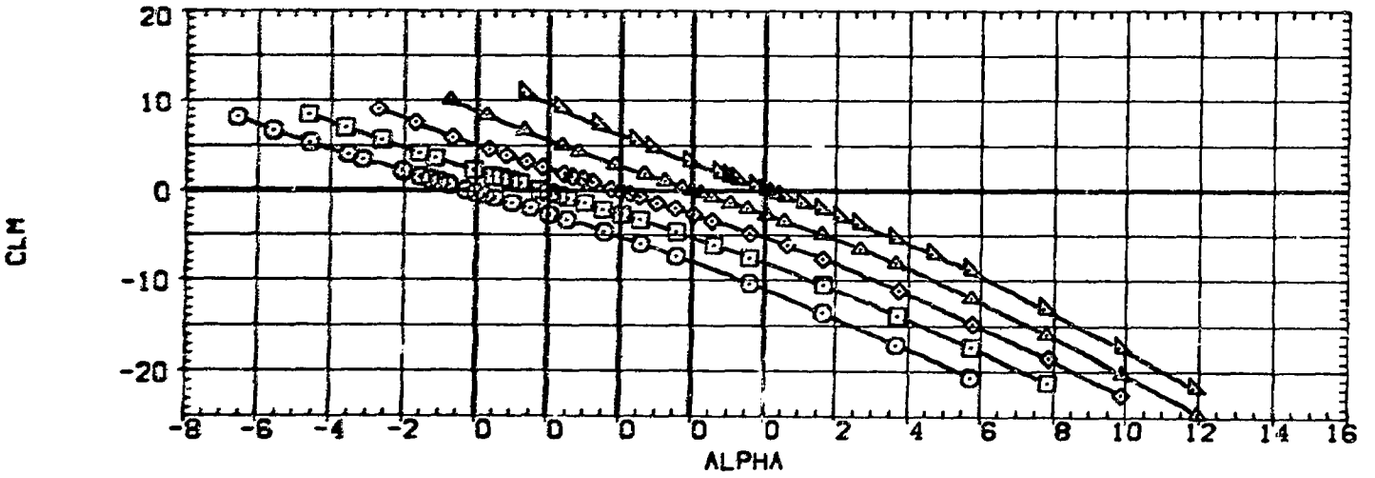
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B16)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCORD	7.000
□	.601	LAMBDA	.000	THETA	22.500
◇	.800	CR/D	1.750	B/2D	.850
△	.897				
▽	.948				

REFERENCE INFORMATION

SREF	12.5680	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





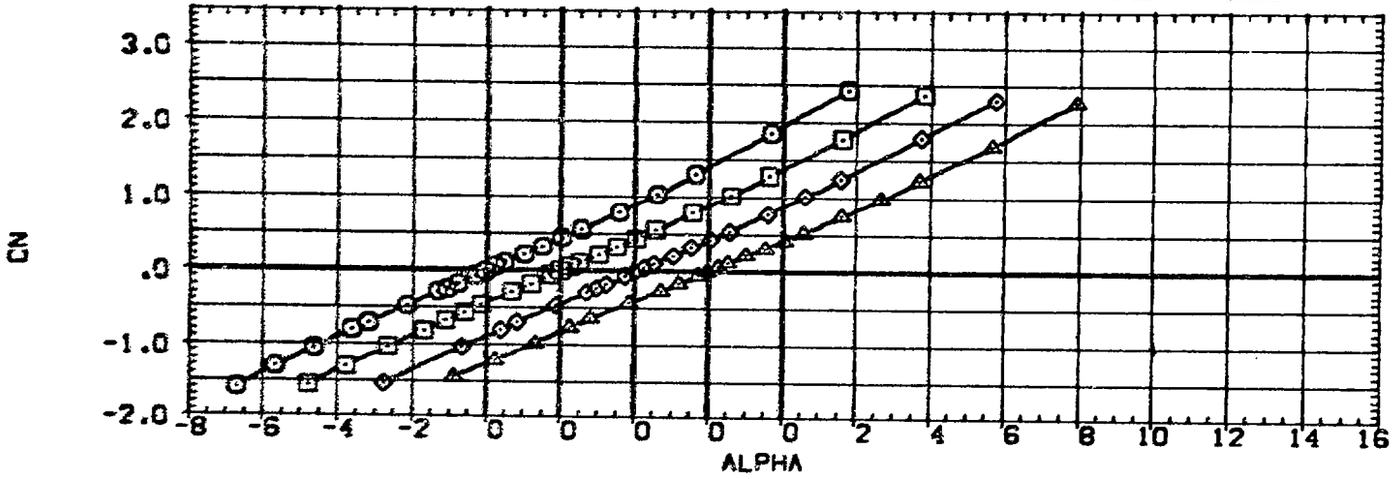
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

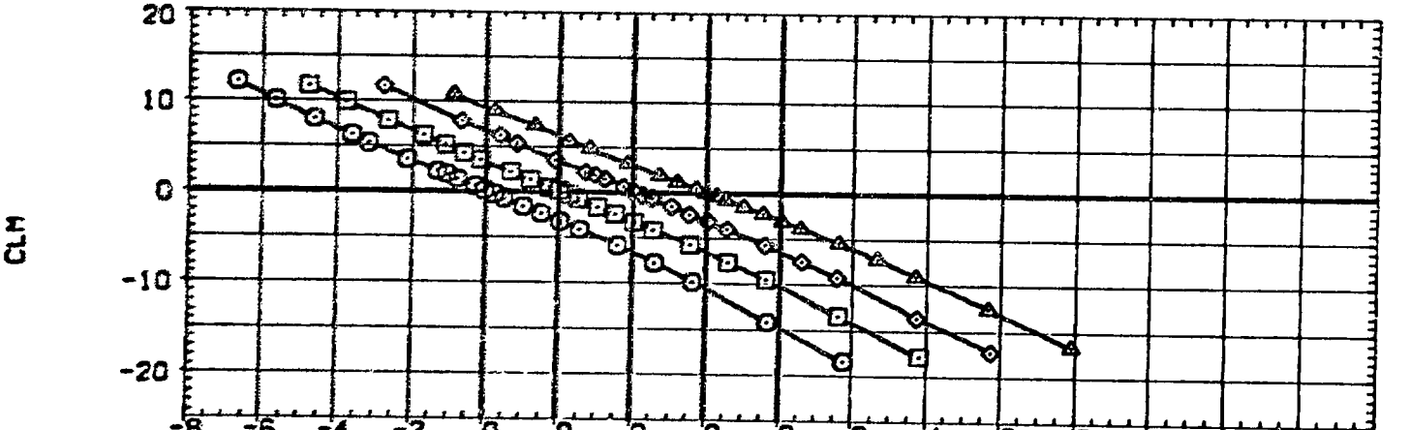
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B16)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.887	PHI	45.000	FRCORD	7.000
□	1.053	LAMBDA	.000	THETA	22.500
◇	1.059	CR/D	1.750	B/2D	.660
△	1.196				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





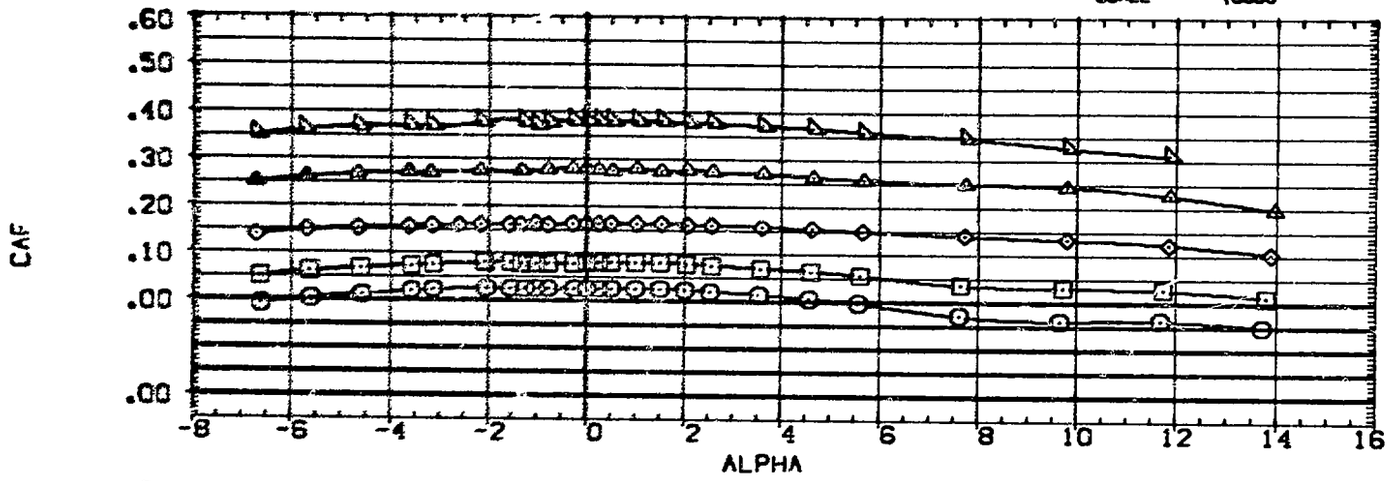
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

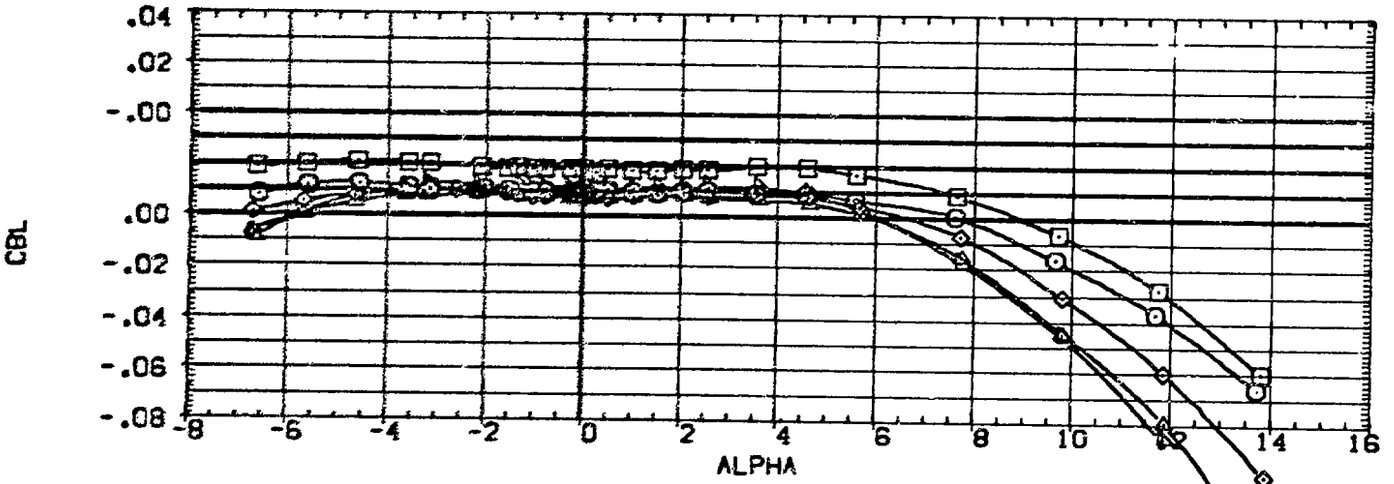
AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B16)

SYMBOL	MACH		PARAMETRIC VALUES		
△	.503	PHI	45.000	FRCORD	7.000
◇	.801	LAMBDA	.000	THETA	22.500
□	.903	CR/D	1.750	B/2S	.688
○	.957				
	.948				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





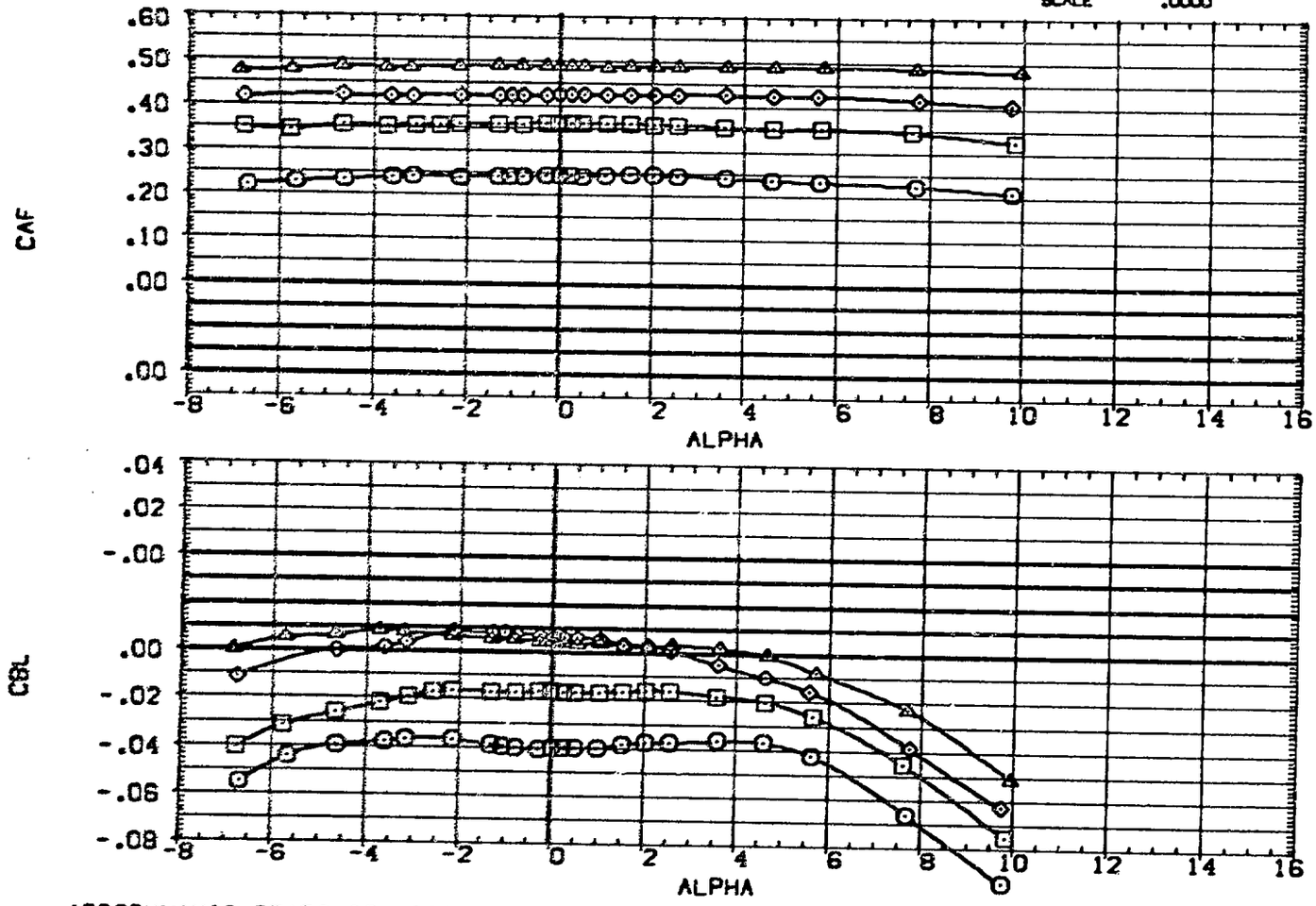
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B16)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.957	PHI	45.000	RECORD	7.000
△	1.053	LAMBDA	.000	THETA	22.500
◇	1.098	CR/D	1.750	B/2D	.660
▷	1.156				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B16)

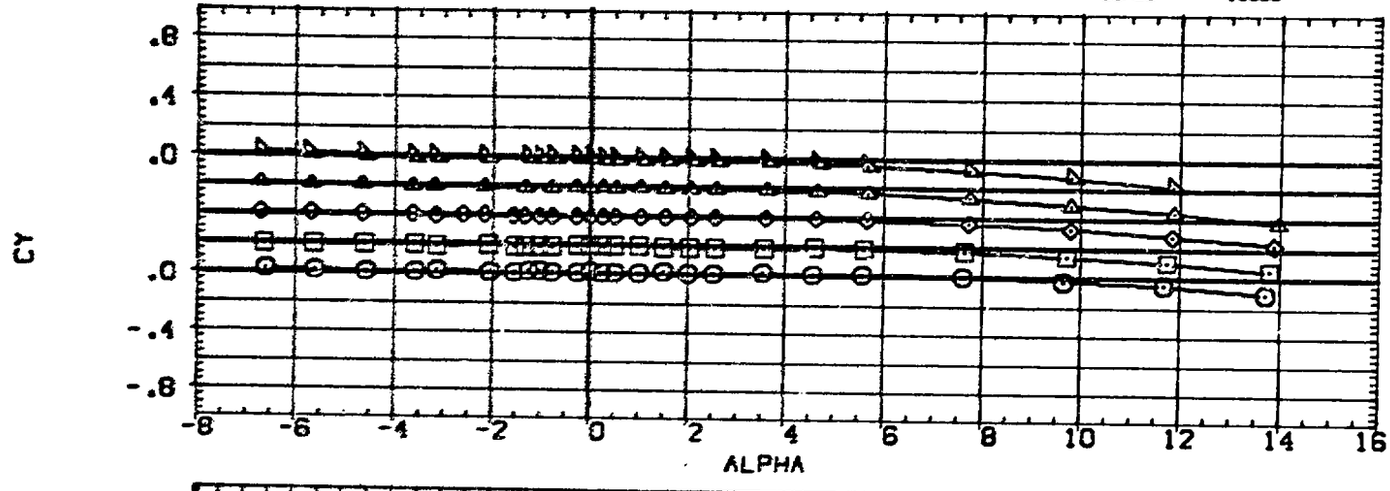
SYMBOL	MACH
◇	.503
△	.601
□	.800
◁	.857
○	.918

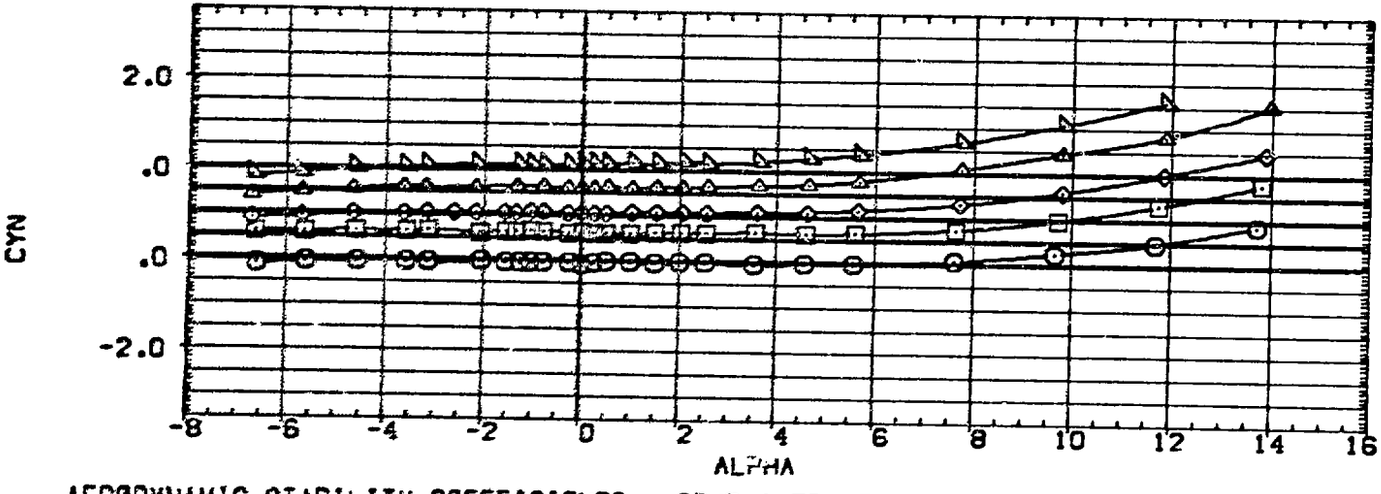
PARAMETRIC VALUES

PHI	45.000	FREQRD	7.000
LAMBDA	.000	THETA	22.500
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





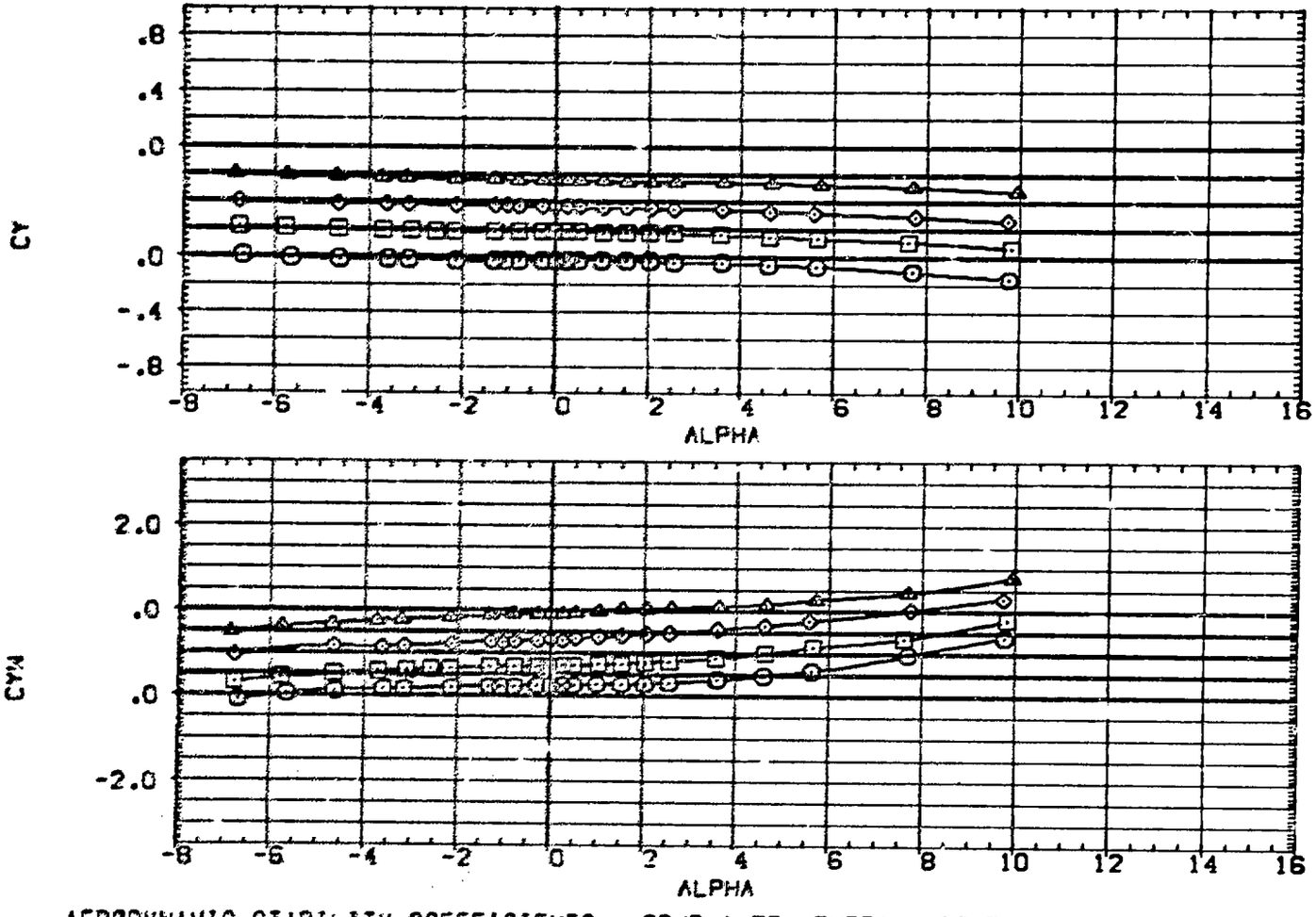
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3B16)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.897	PHI	45.000	FRQRD	7.000
□	1.053	LAMBDA	.000	THETA	22.500
◇	1.099	CR/D	1.750	B/2D	.650
△	1.196				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



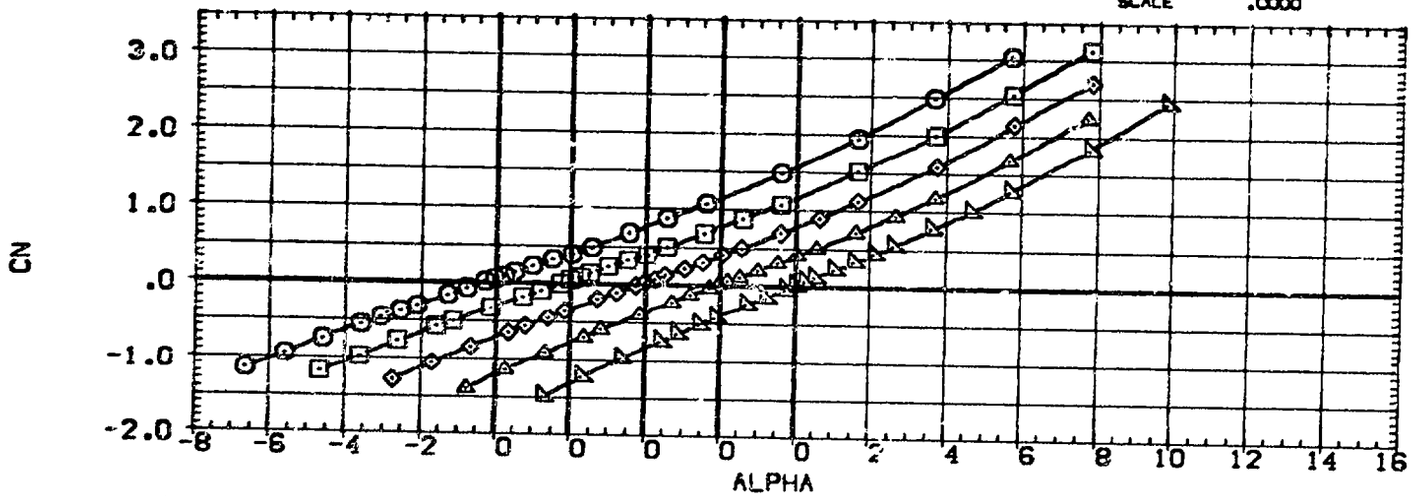
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

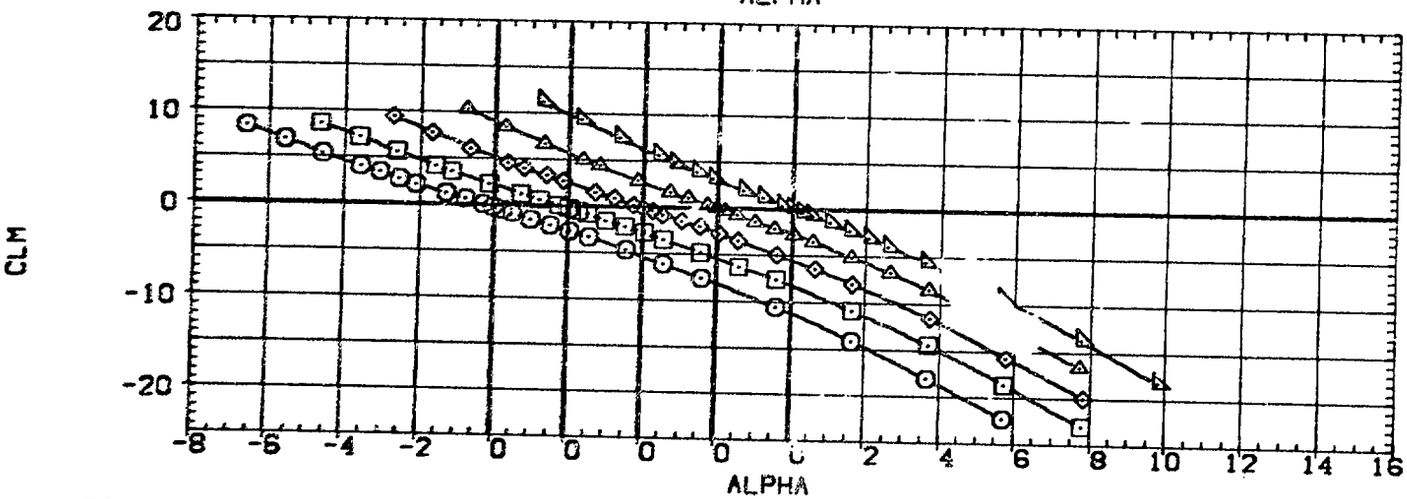
AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B17)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.503	PHI	67.500	FRCORD	7.000
□	.602	LAMBDA	.000	THETA	22.500
◇	.800	CR/D	1.750	B/2D	.660
△	.900				
	.948				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





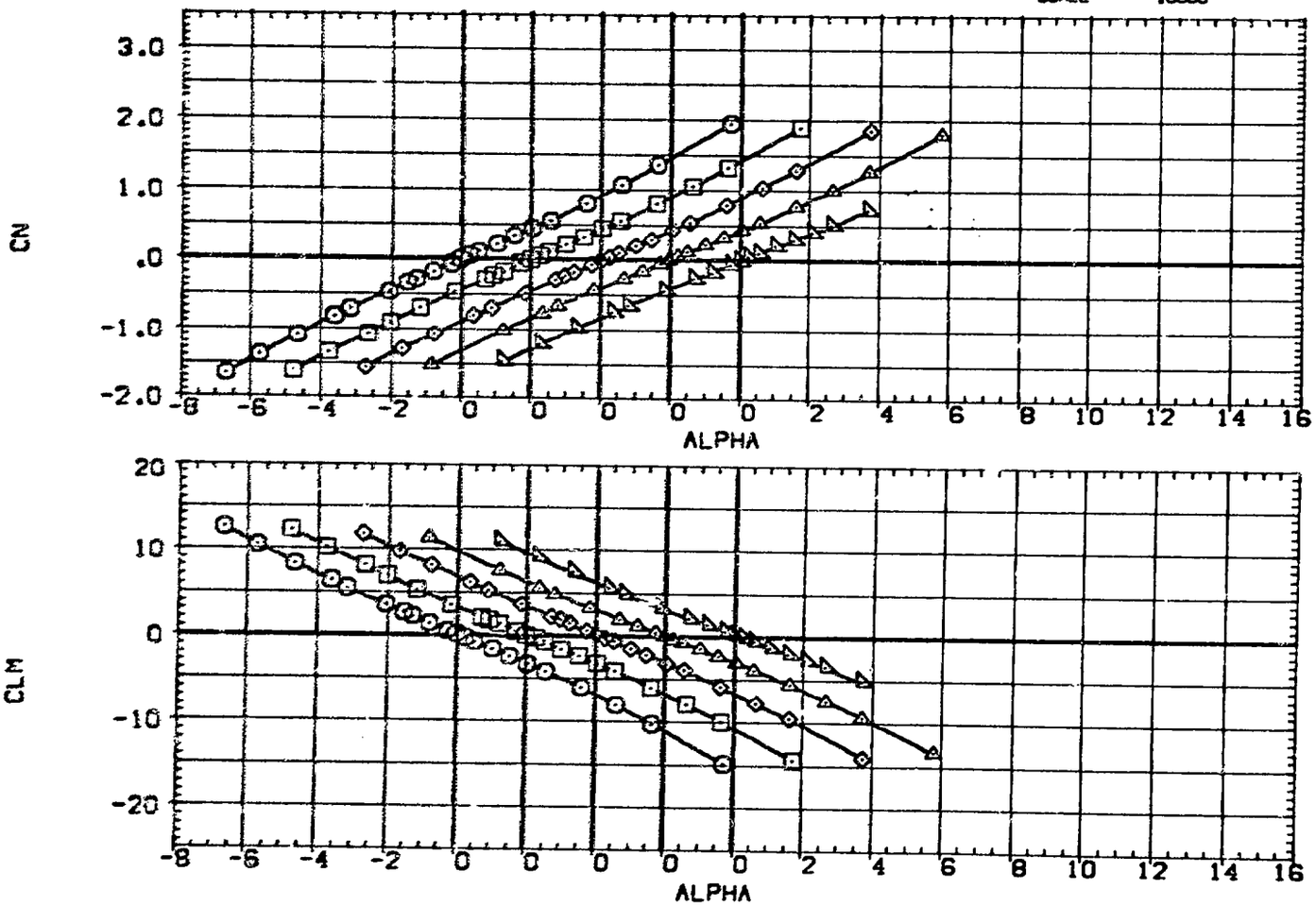
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B17)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.958	PHI	67.500	FRCORD	7.000
□	1.050	LAMBDA	.000	THETA	22.500
◇	1.095	CR/D	1.750	B/2D	.660
△	1.202				
▽	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B17)

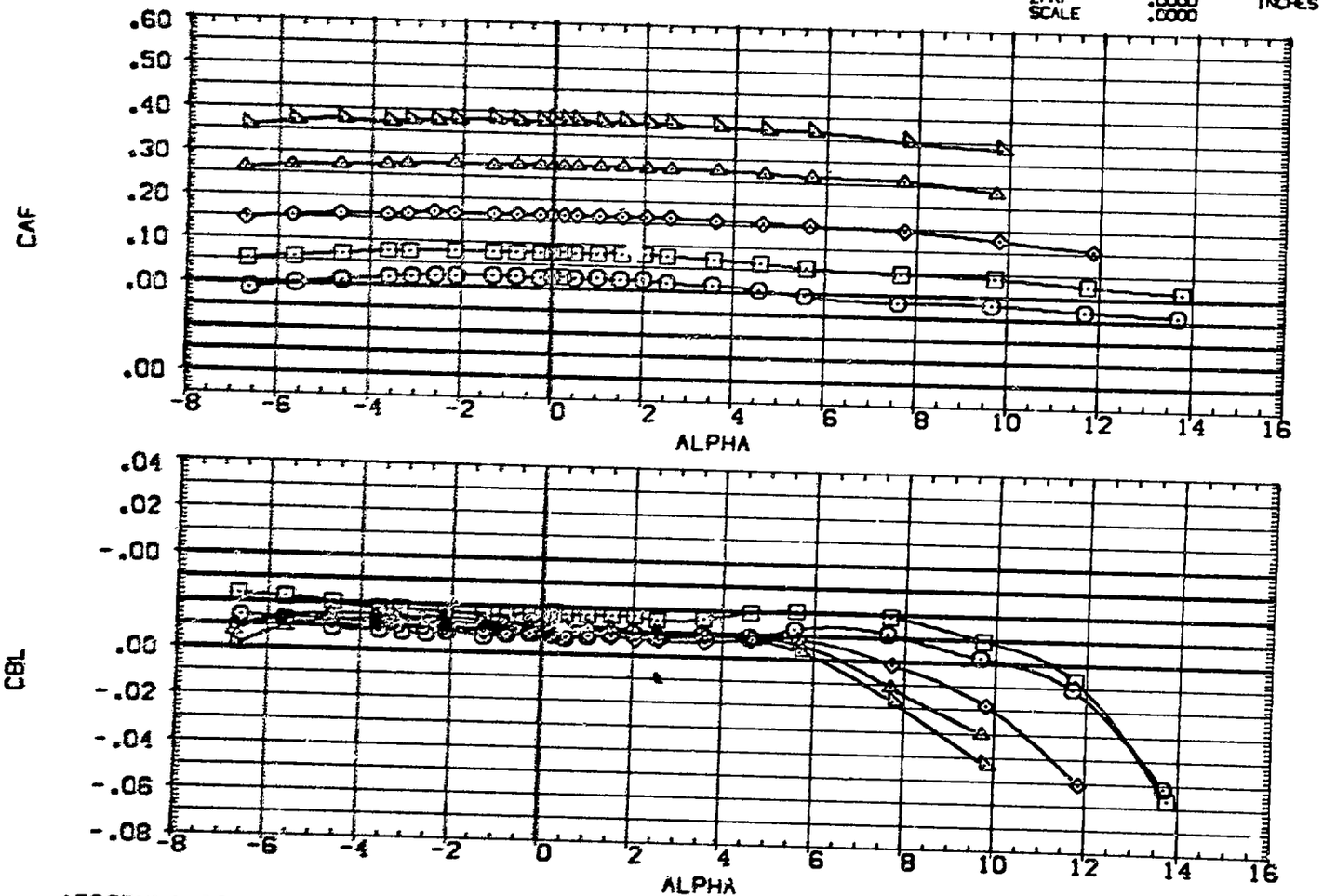
SYMBOL	MACH
▽	.503
△	.602
◇	.800
□	.900
○	.949

PARAMETRIC VALUES

PHI	67.500	FRCORD	7.000
LAMBDA	.000	THETA	22.500
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



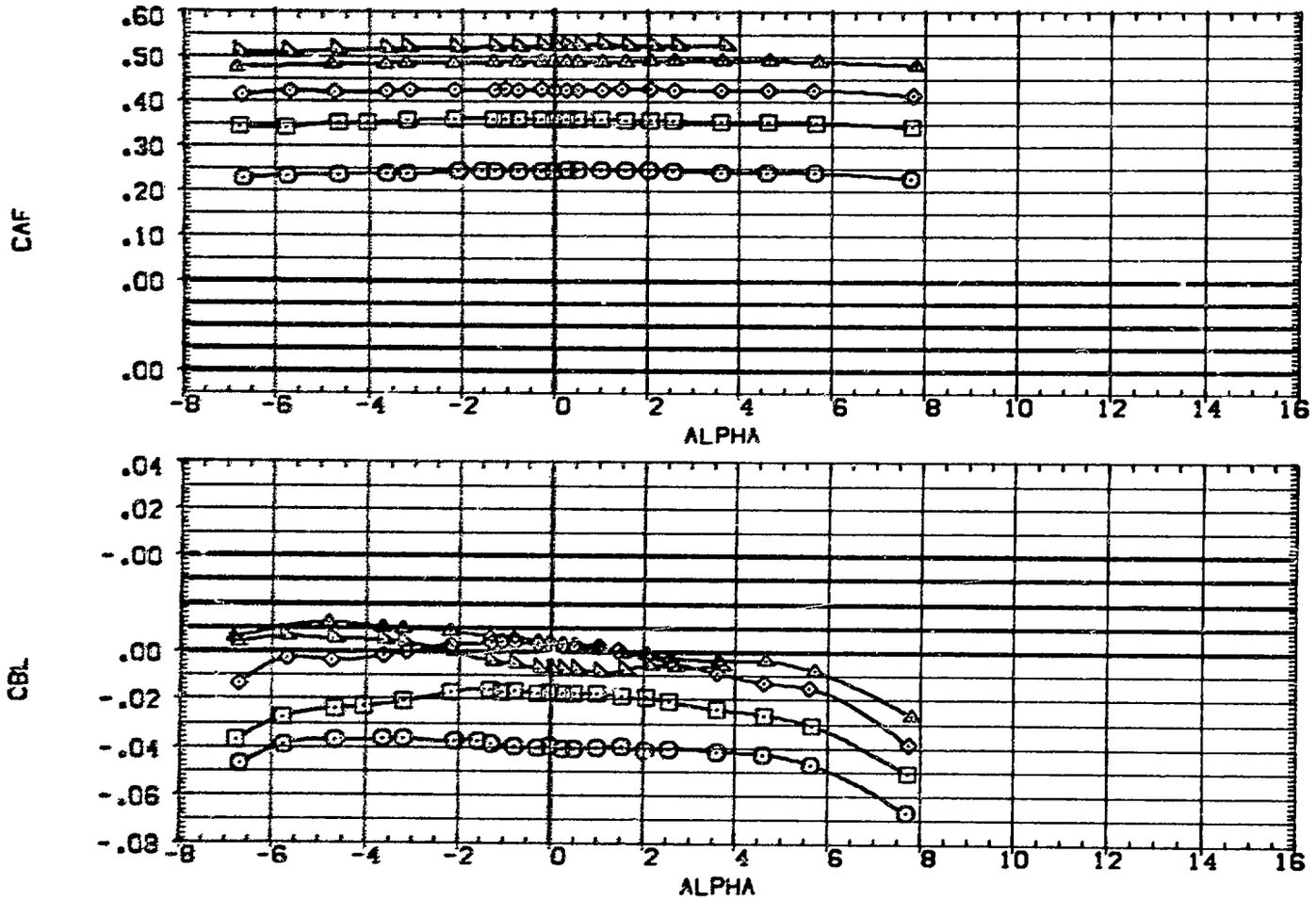
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B17)

SYMBOL	MACH		PARAMETRIC VALUES		
▽	.898	PHI	67.500	FRCORD	7.000
◇	1.050	LAMBDA	.000	THETA	22.500
□	1.095	CR/D	1.750	B/2D	.660
△	1.202				
○	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



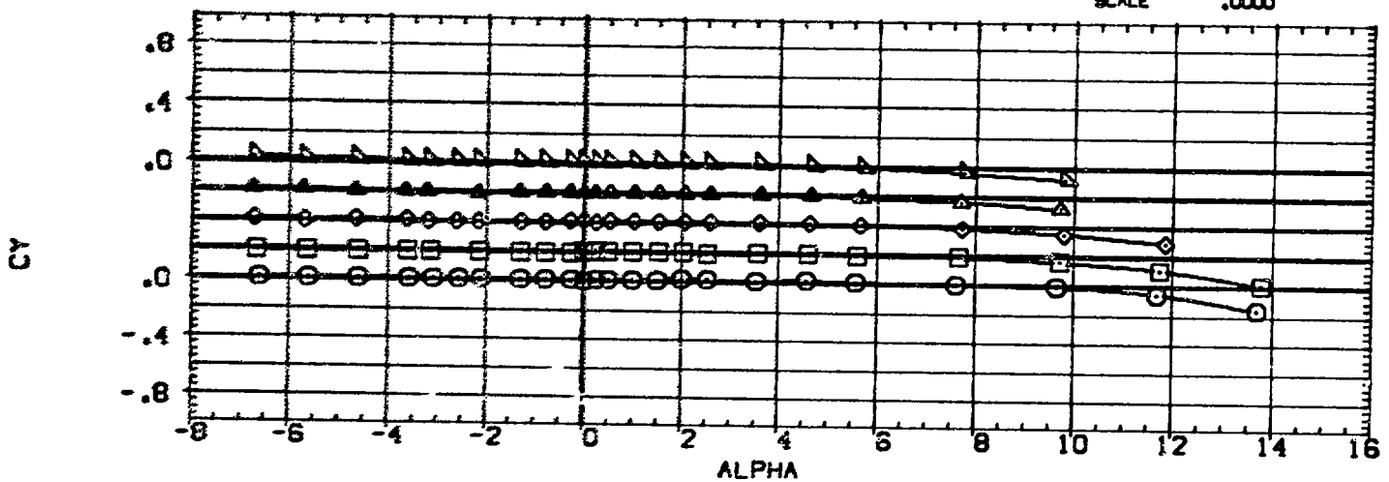
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

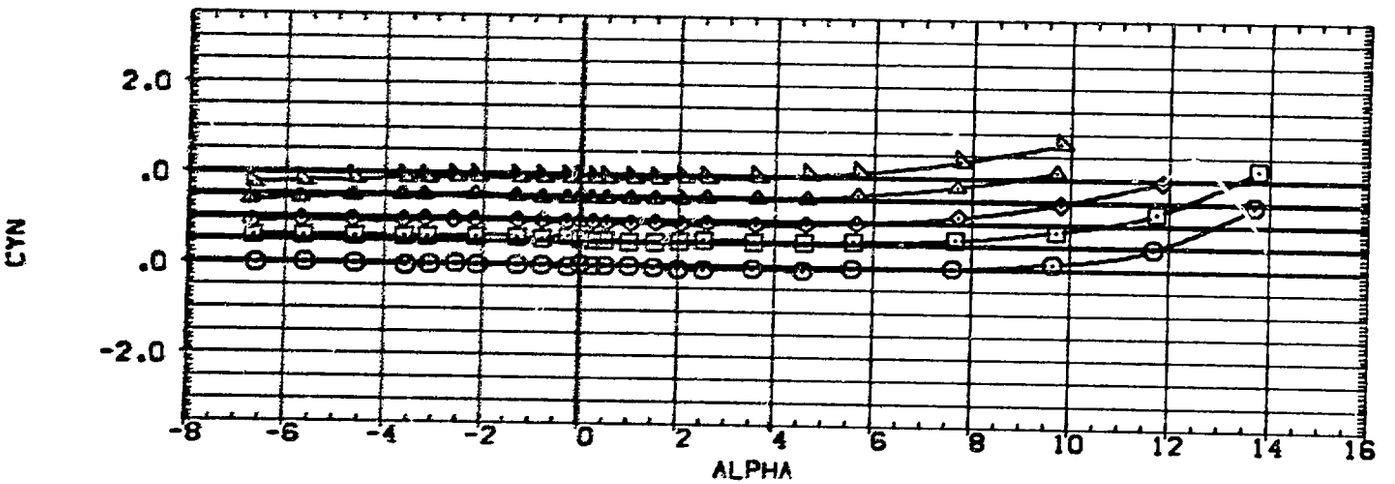
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B17)

SYMBOL	MACH		PARAMETRIC VALUES		
△	.503	PHI	67.500	FRCDTO	7.000
◇	.602	LAMBDA	.000	THETA	22.500
□	.800	CR/D	1.750	B/2S	.660
○	.903				
	.946				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





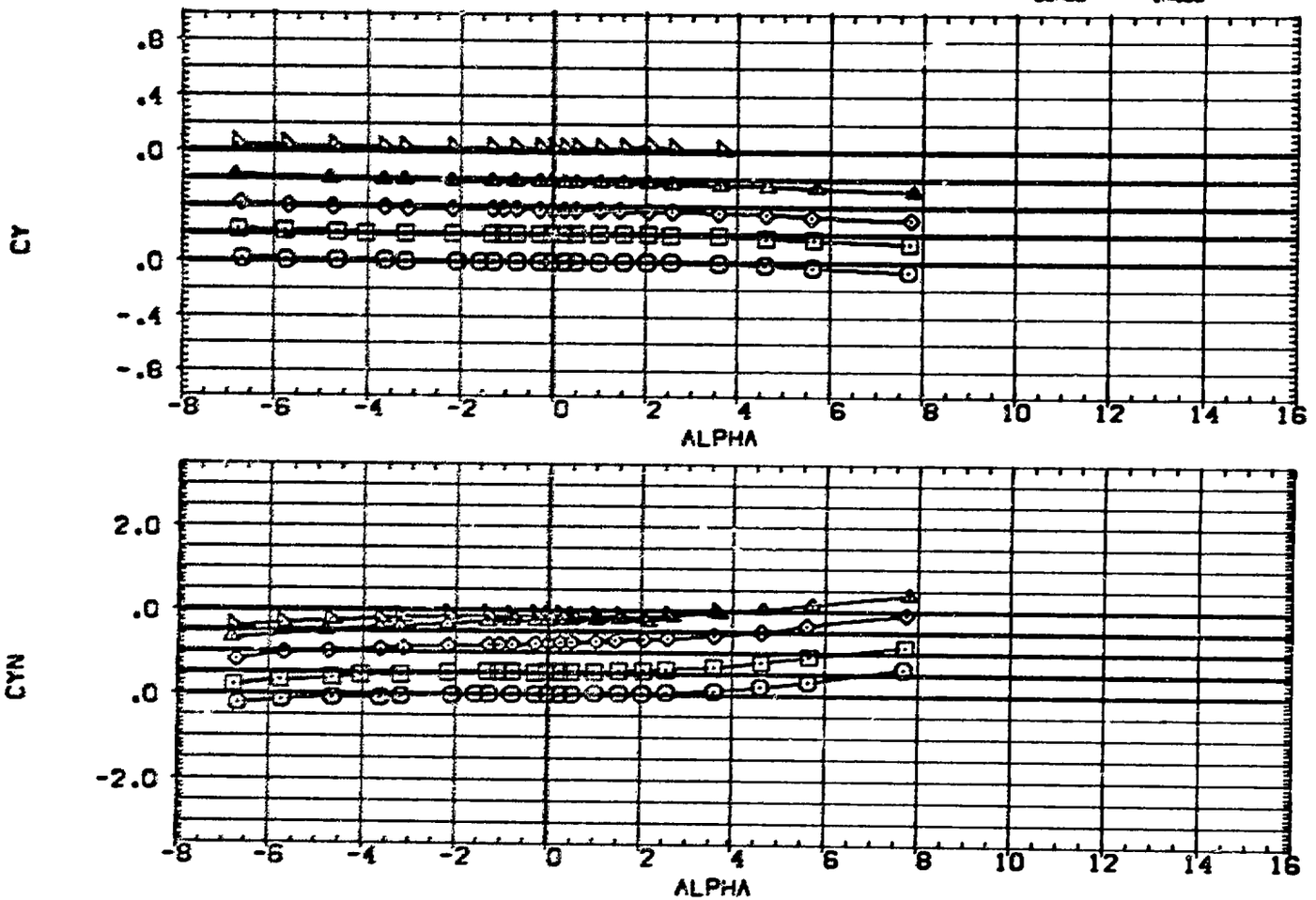
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B17)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.858	PHI	67.500	FRCORD	7.000
□	1.050	LAMBDA	.000	THETA	22.500
◇	1.095	CR/D	1.750	B/2D	.660
△	1.202				
▽	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.7000	



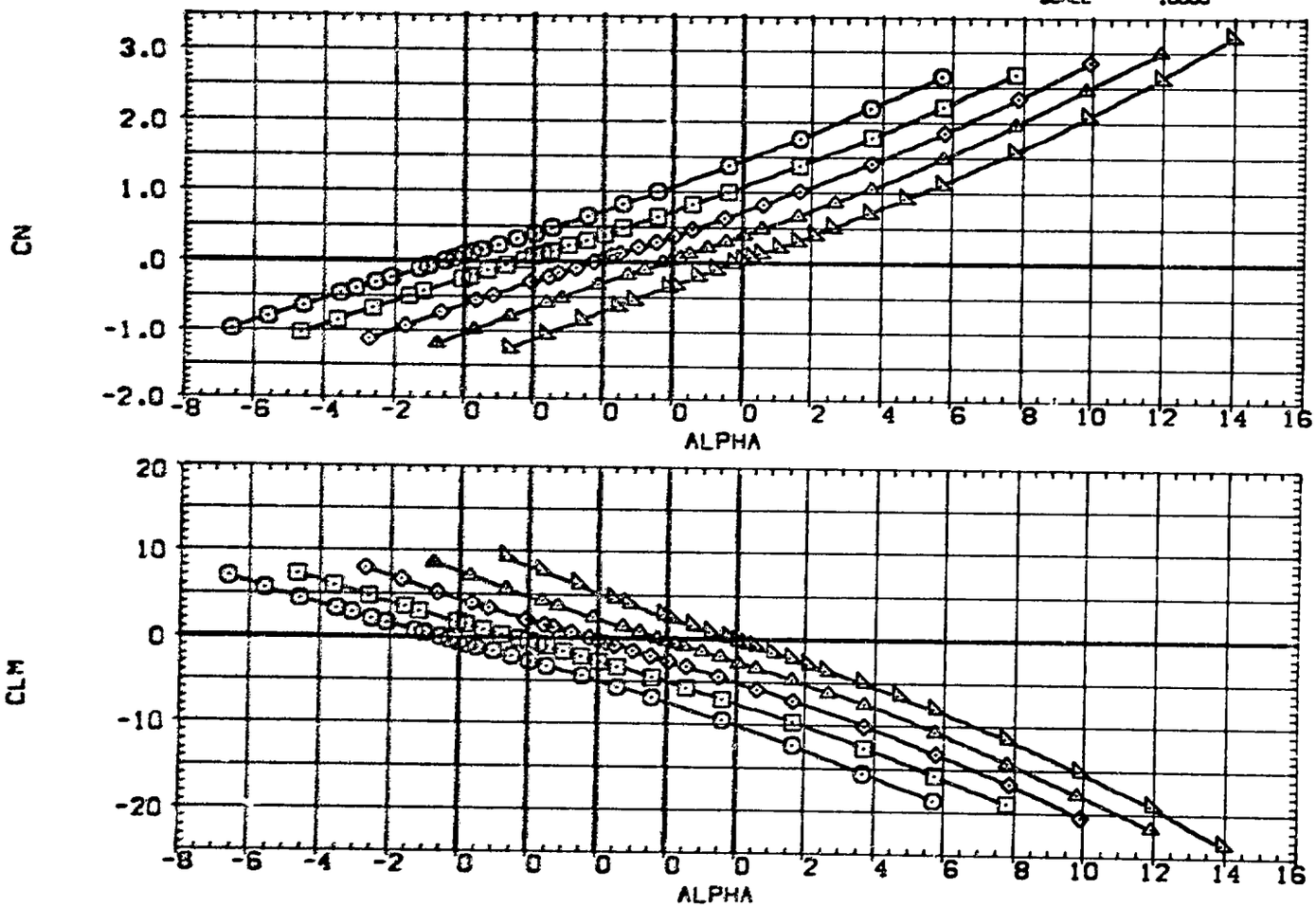
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 22.5

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B18)

SYMBOL	MACH	PARAMETRIC VALUES				
OC1044	.500	PHI	.000	FREQRD	7.000
	.603	LAMBDA	.000	THETA	45.000
	.803	CR/D	1.750	B/2D	.660
	.900				
	.950				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



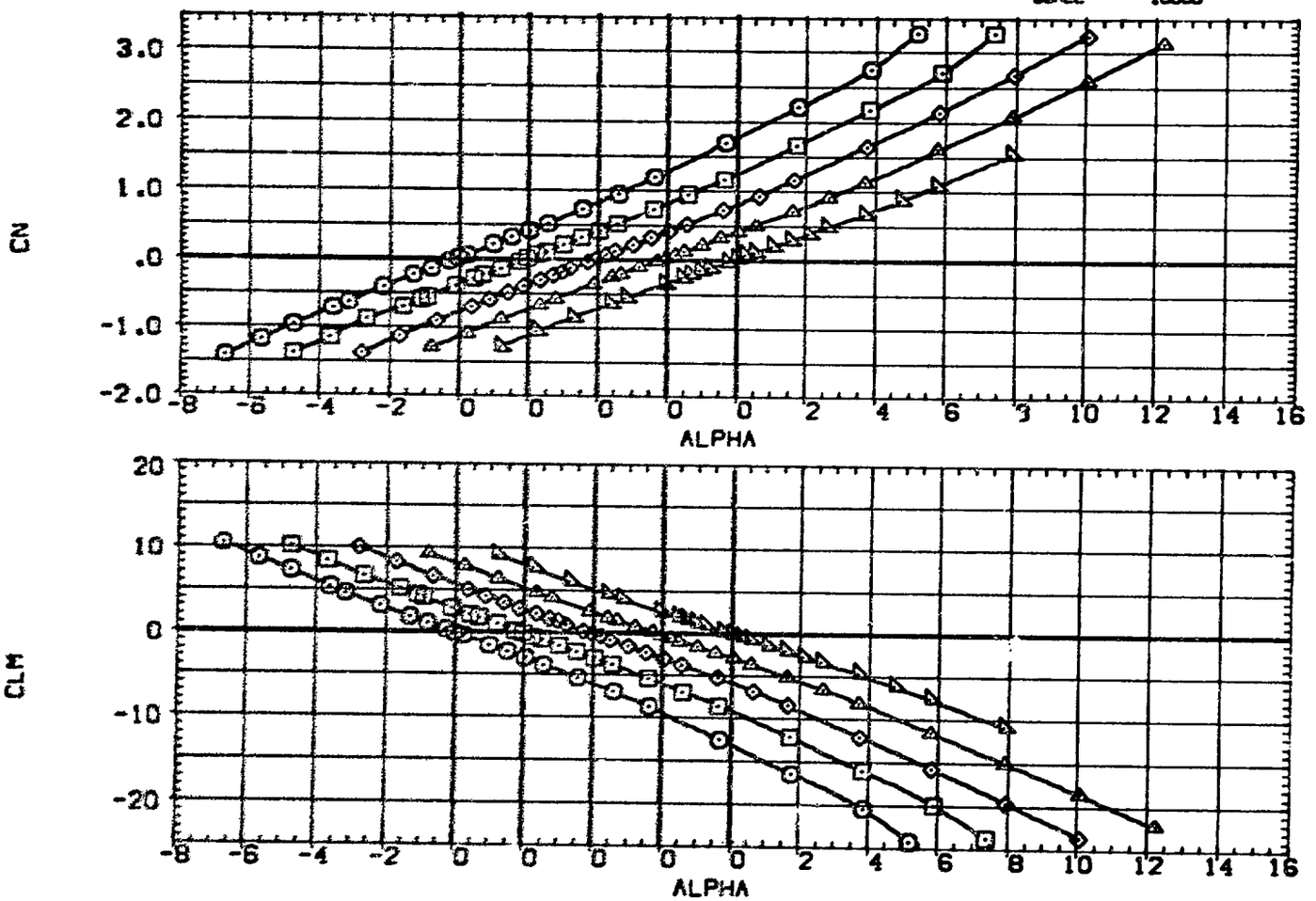
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B18)

SYMBOL	MACH	PARAMETRIC VALUES			
▽	.897	PHI	.000	FRCORD	7.000
△	1.048	LAMBDA	.000	THETA	45.000
◇	1.101	CR/D	1.750	B/2D	.650
□	1.196				
○	1.295				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



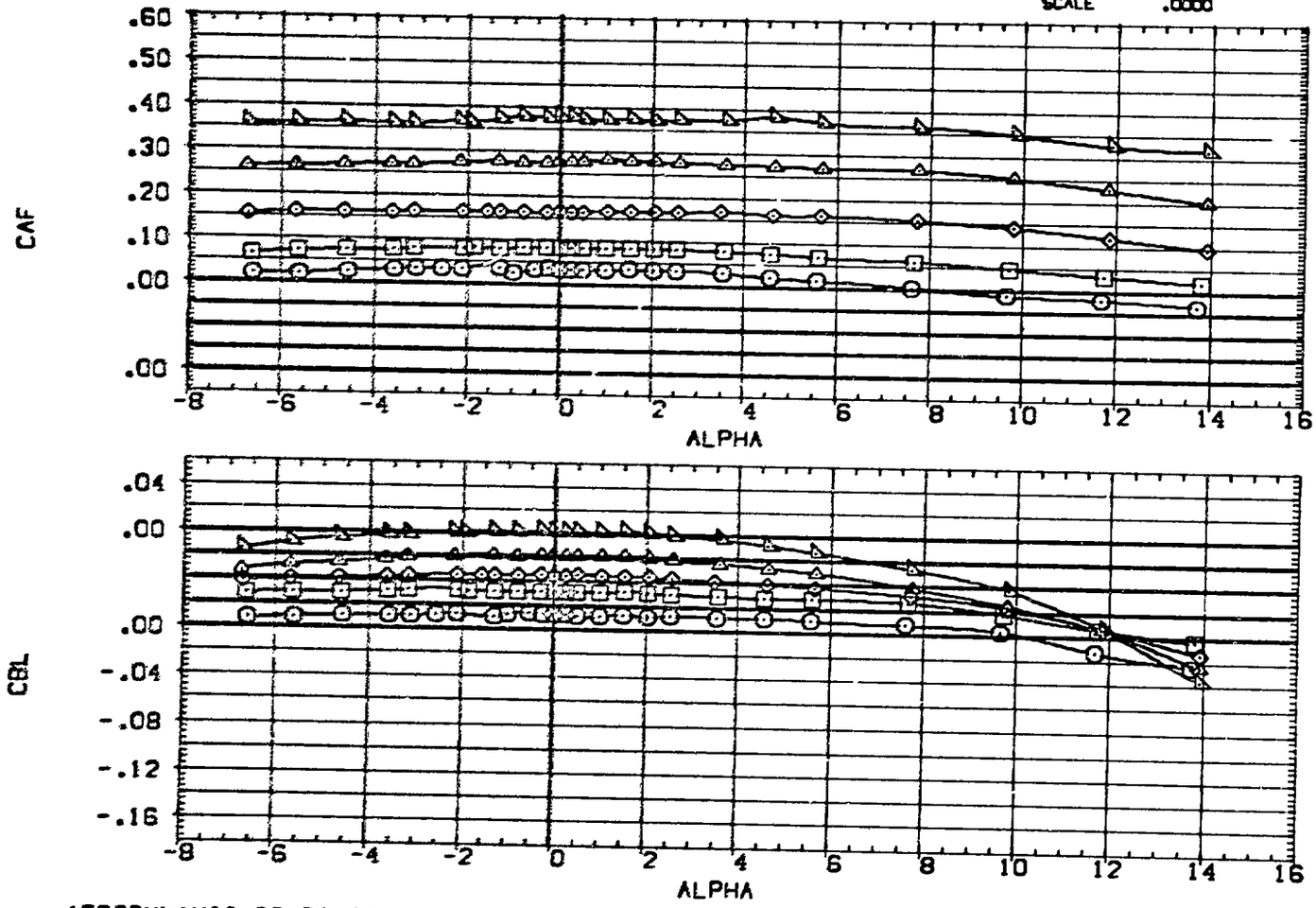
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3818)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.500	PHI	.000	FRCORD	7.000
□	.603	LAMBDA	.000	THETA	45.000
◇	.803	CR/D	1.750	B/2D	.660
△	.900				
▽	.950				

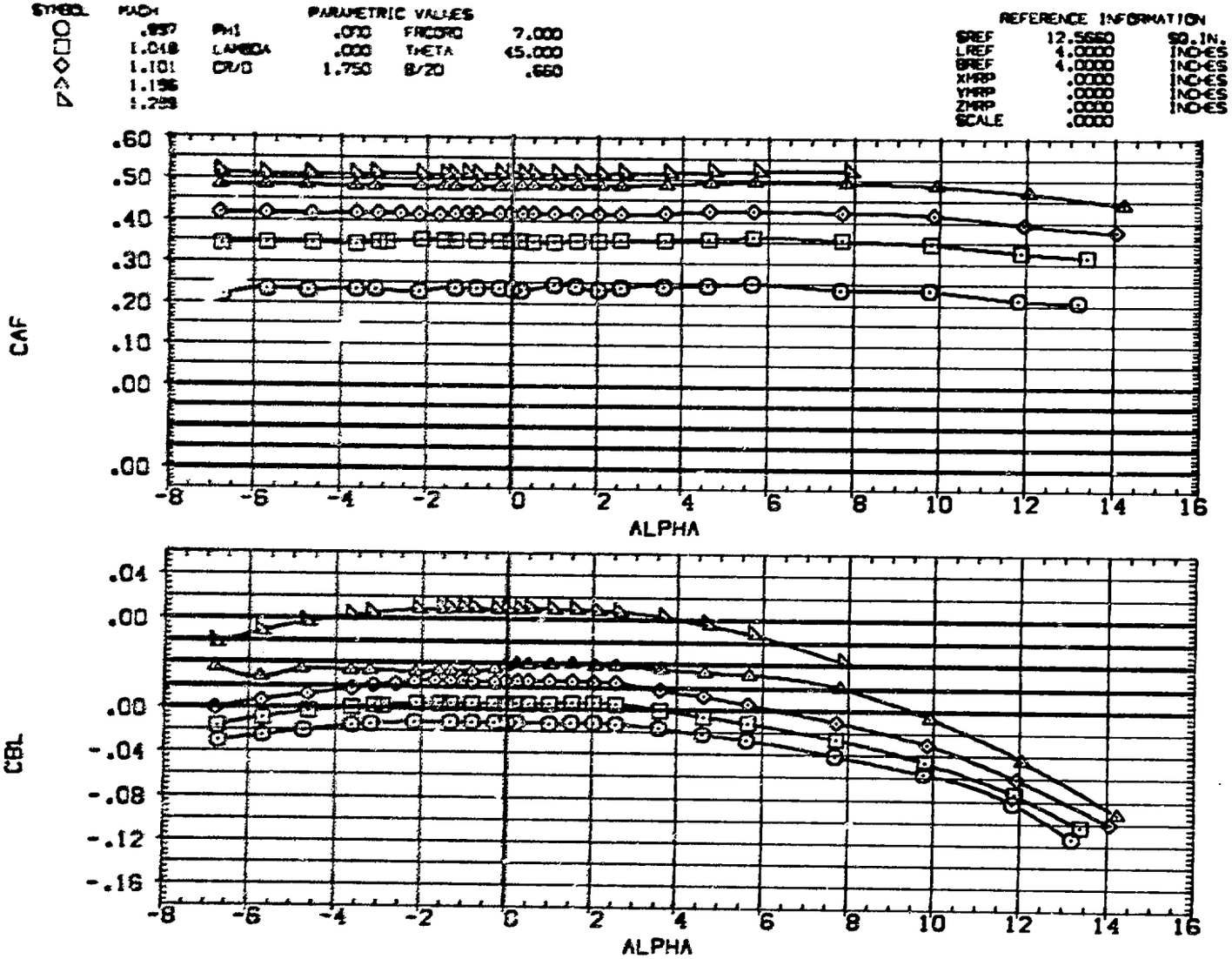
REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



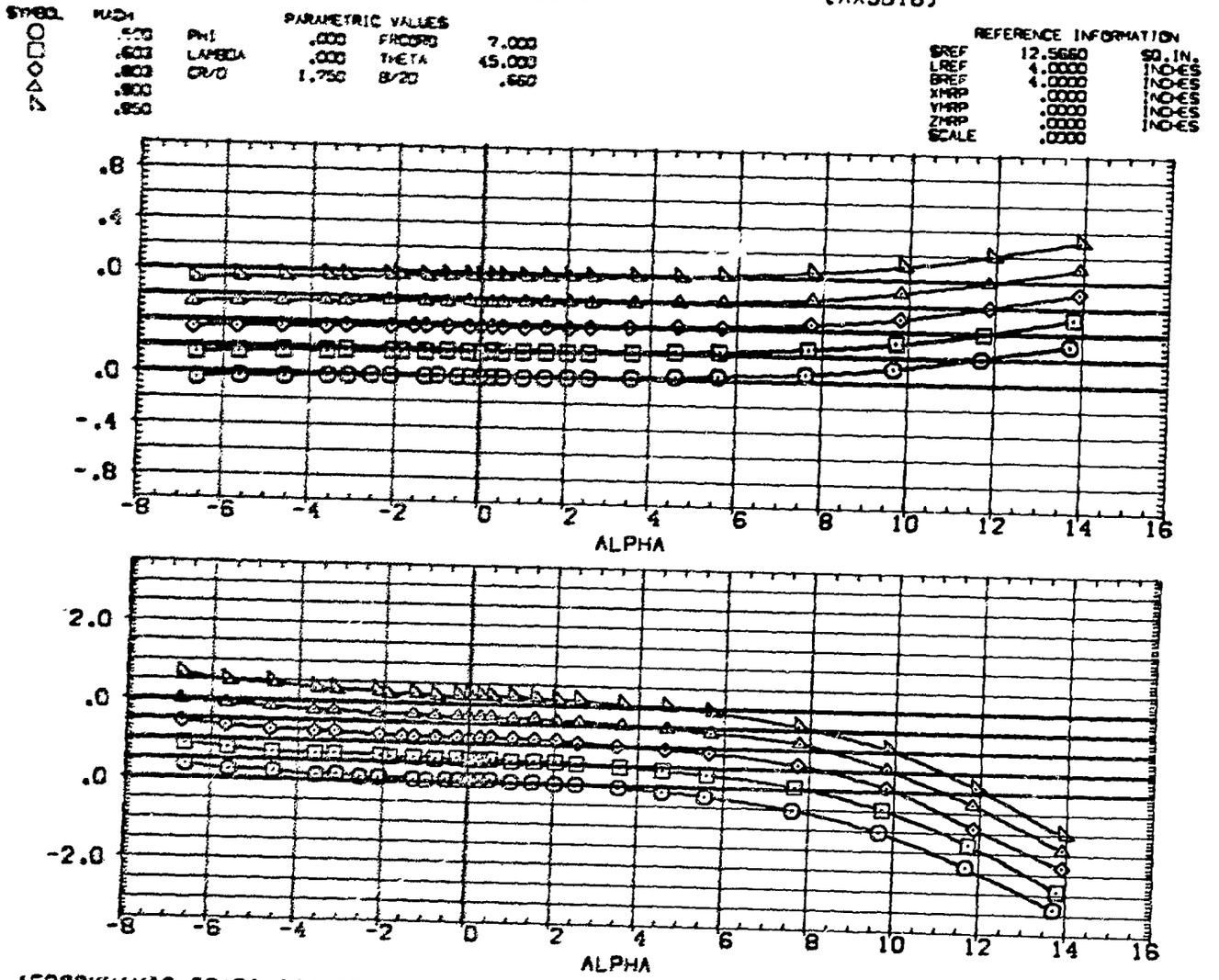
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B18)



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B18)



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, BIF!

(AX3B18)

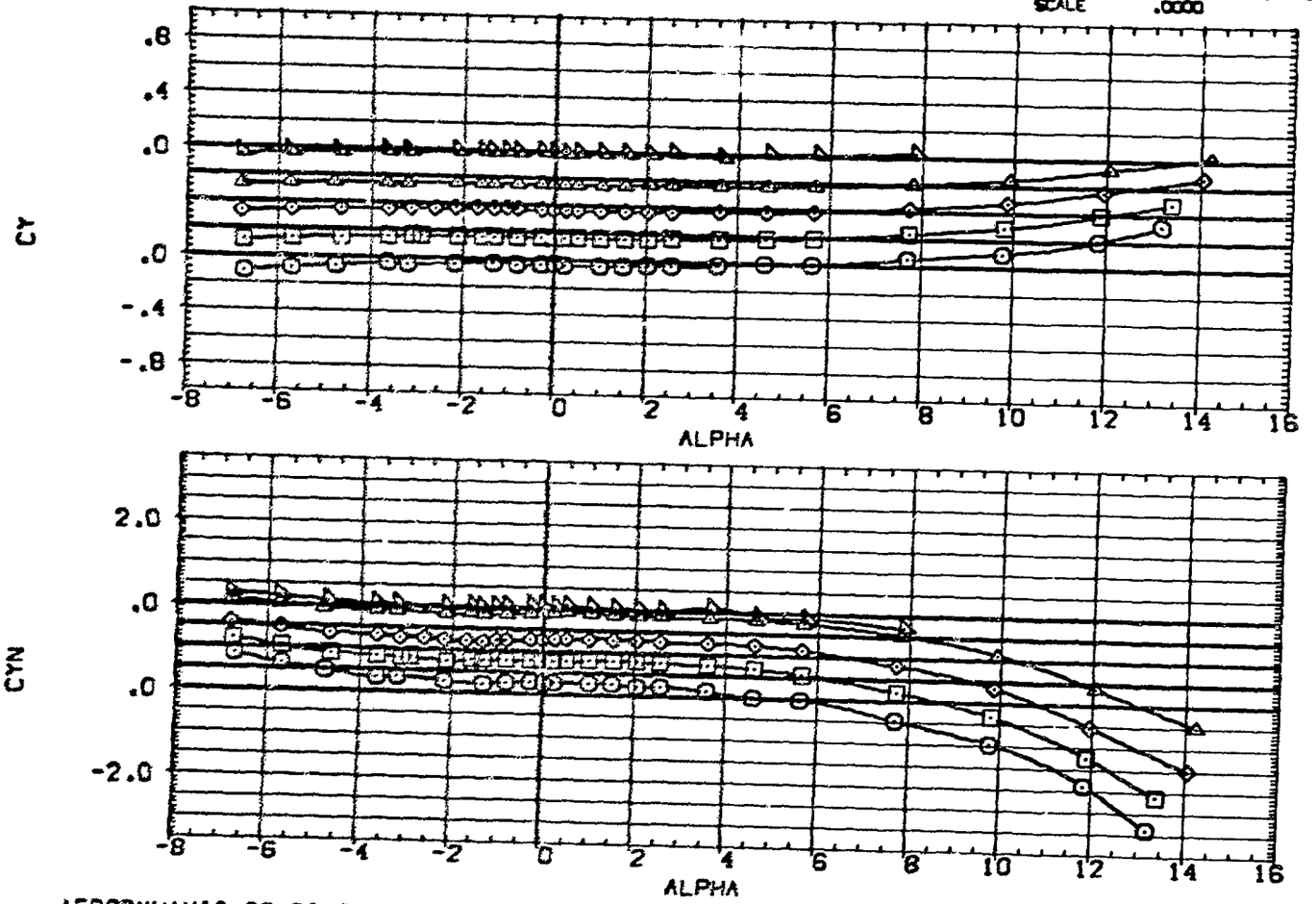
SYMBOL	MACH
○	.897
□	1.048
◇	1.101
△	1.196
▽	1.295

PARAMETRIC VALUES

PHI	.000	FRCORD	7.000
LAMBDA	.000	THETA	45.000
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



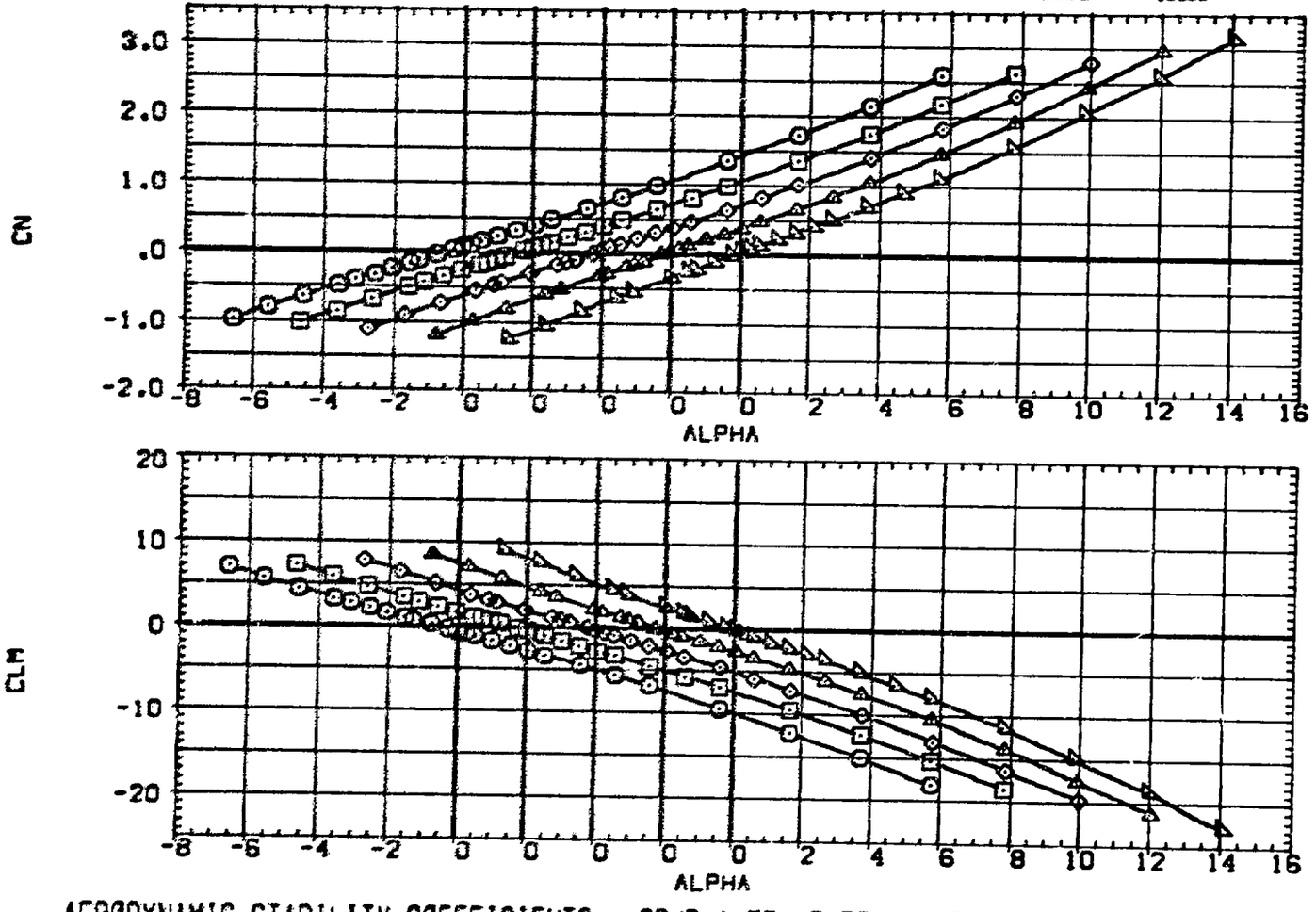
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN. BIF1 (AX3B19)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	RECORD	7.000
□	.602	LAMBDA	.000	THETA	45.000
◇	.801	CR/D	1.750	B/2D	.660
△	.901				
▷	.948				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	INCHES



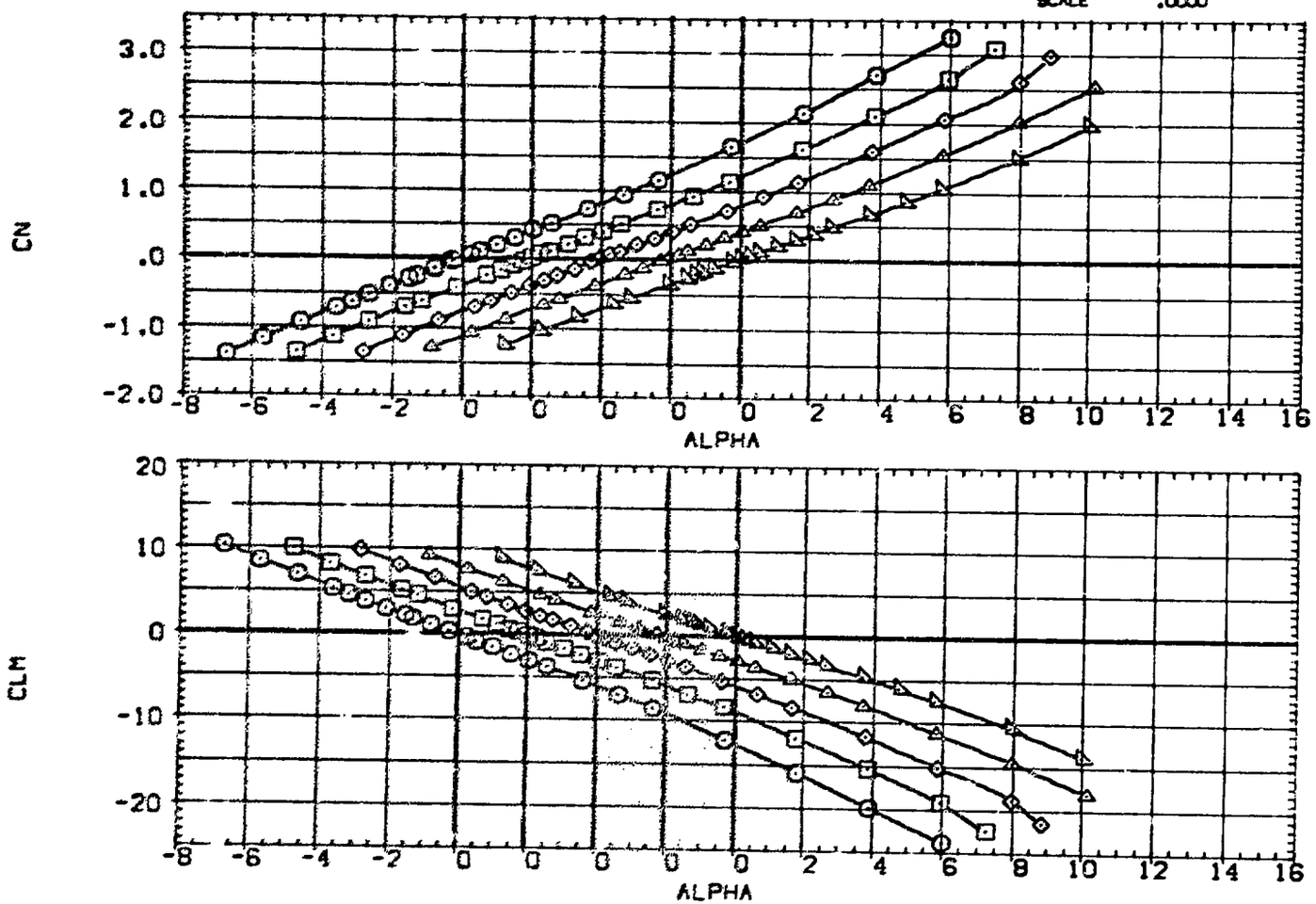
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3B19)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.857	PHI	22.500	FRCORD	7.000
□	1.019	LAMBDA	.000	THETA	45.000
◇	1.100	CR/D	1.750	B/2D	.660
▷	1.200				
△	1.298				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B19)

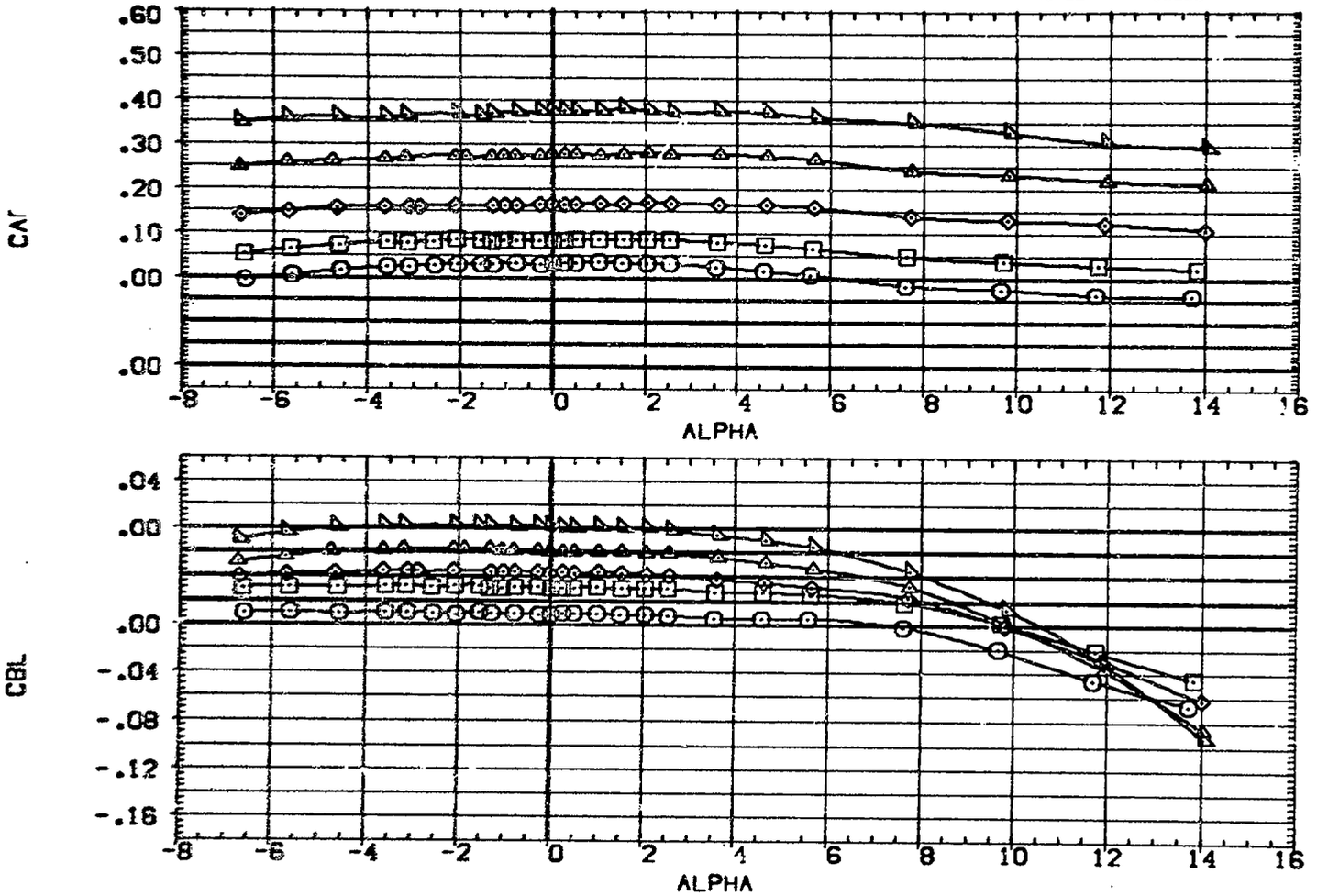
SYMBOL	MACH
○	.503
□	.602
◇	.801
△	.901
◁	.946

PARAMETRIC VALUES

PHI	22.500	FRCORD	7.000
LAMBDA	.000	THETA	45.000
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



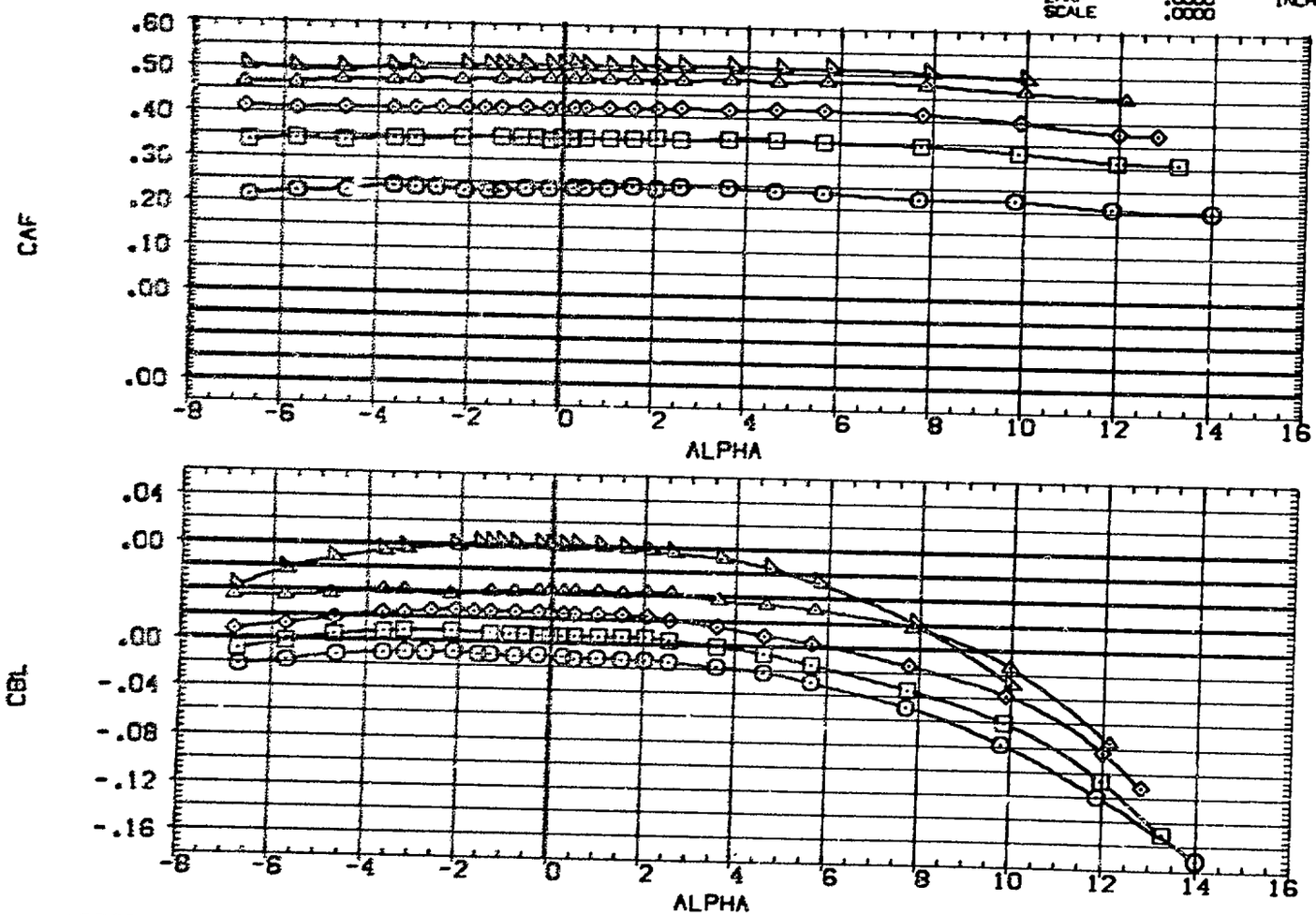
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B19)

SYMBOL	MACH		PARAMETRIC VALUES		
	.957	PHI	22.500	FROMO	7.000
	1.049	LAMBDA	.000	THETA	45.000
	1.100	CR/D	1.750	B/2D	.660
	1.200				
	1.299				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



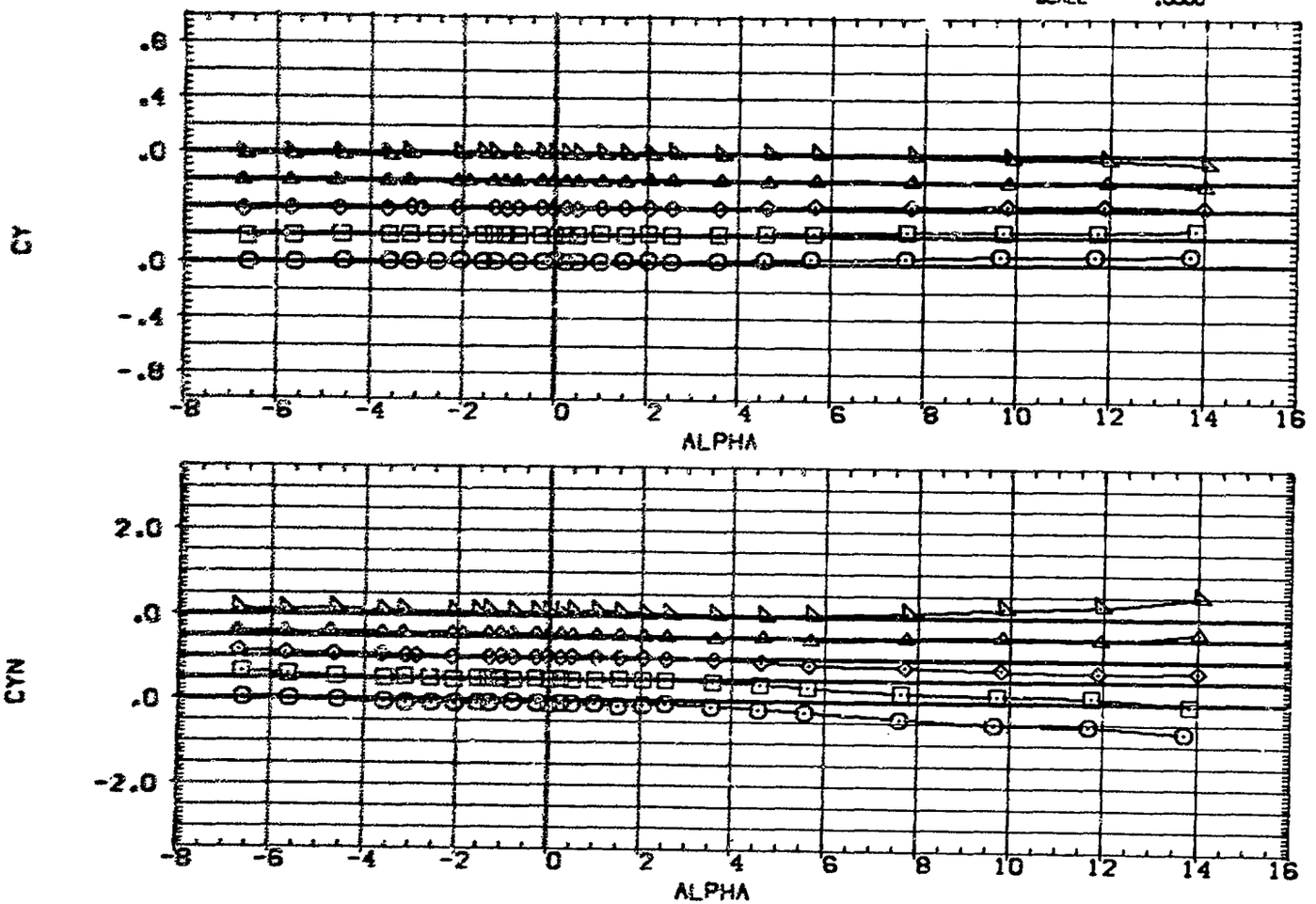
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B19)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	FRORD	7.000
□	.602	LAMBDA	.000	THETA	45.000
◇	.801	CR/D	1.750	B/2D	.680
△	.901				
	.945				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



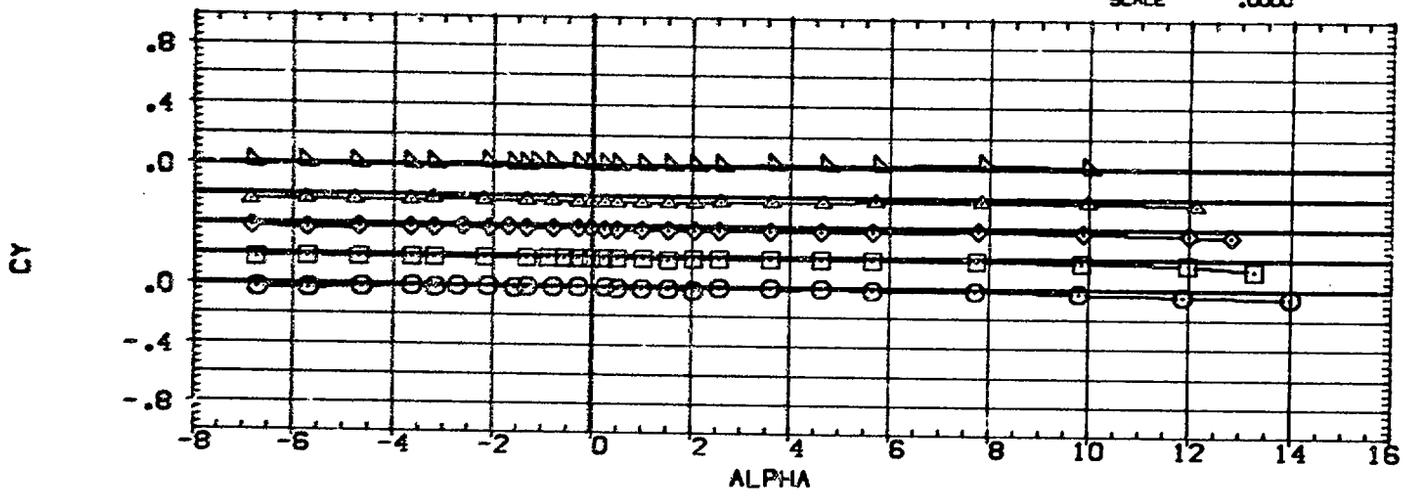
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

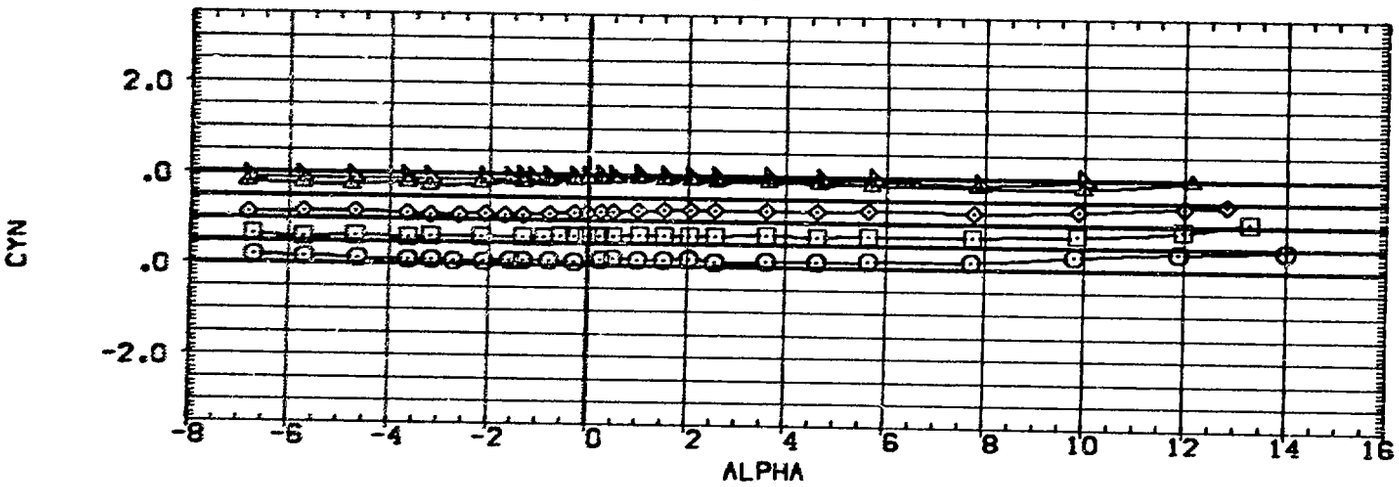
AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B19)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.897	PHI	22.500	FRCORD	7.000
□	1.049	LAMBDA	.000	THETA	45.000
◇	1.100	CR/D	1.750	B/2D	.650
△	1.200				
▽	1.295				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B20)

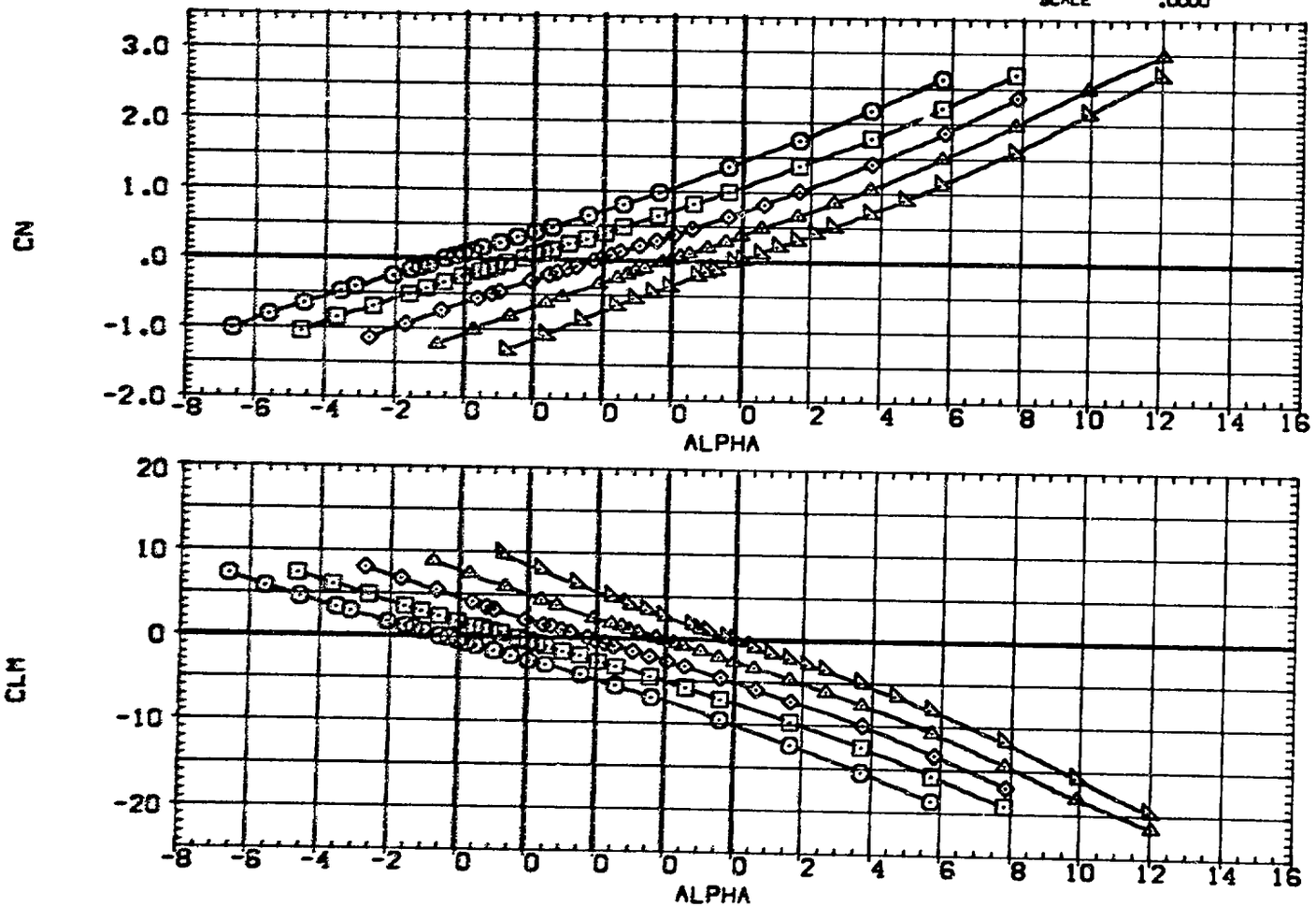
SYMBOL	MACH
○	.501
□	.601
◇	.800
△	.900
▱	.951

PARAMETRIC VALUES

PHI	45.000	FRONT	7.000
LAMBDA	.000	THETA	45.000
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



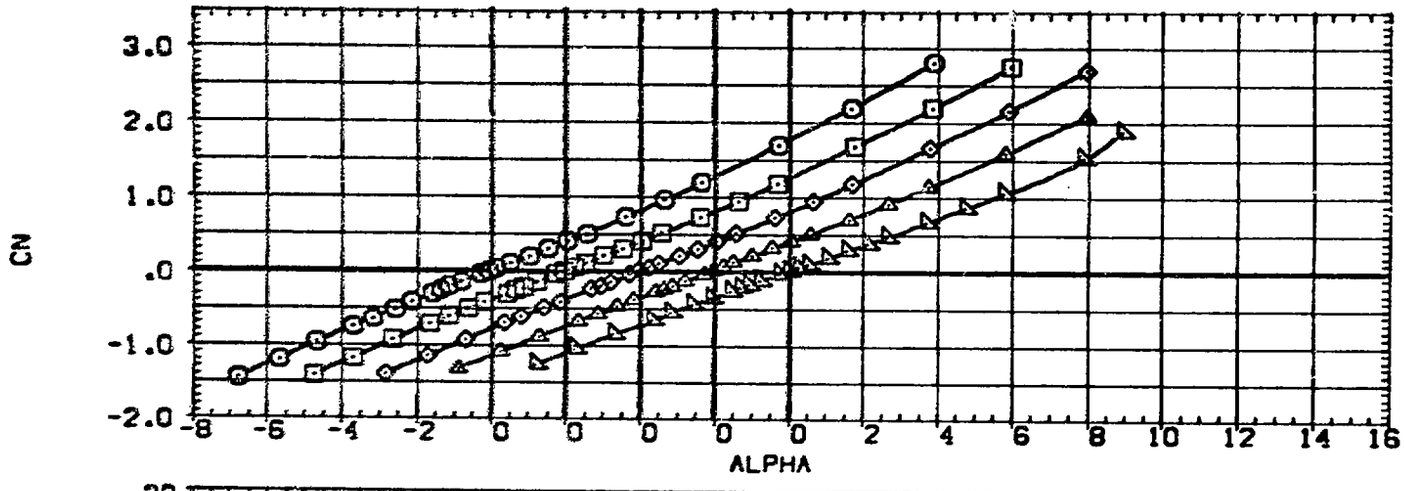
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

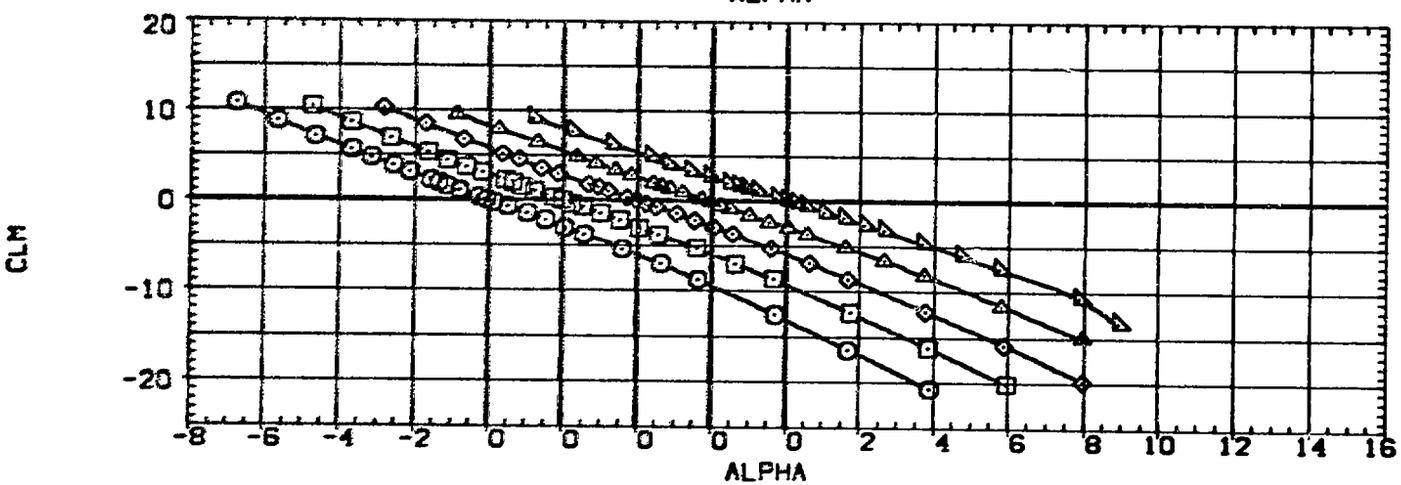
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B20)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.900	PHI	45.000	FRCORD	7.000
□	1.040	LAMBDA	.000	THETA	45.000
◇	1.102	CR/D	1.750	B/2D	.850
△	1.200				
▷	1.300				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





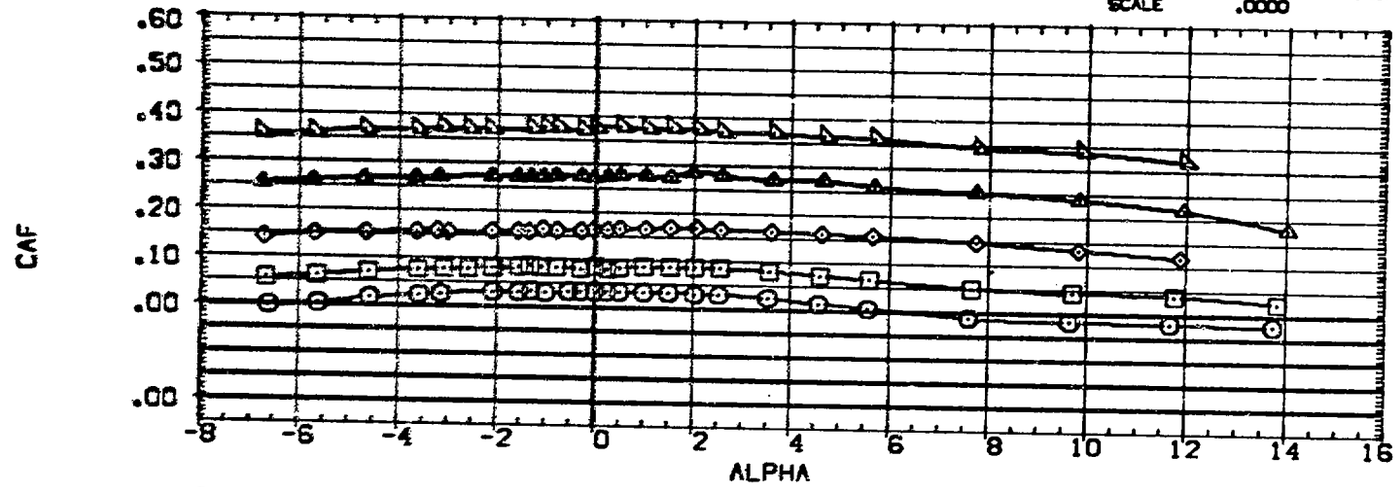
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

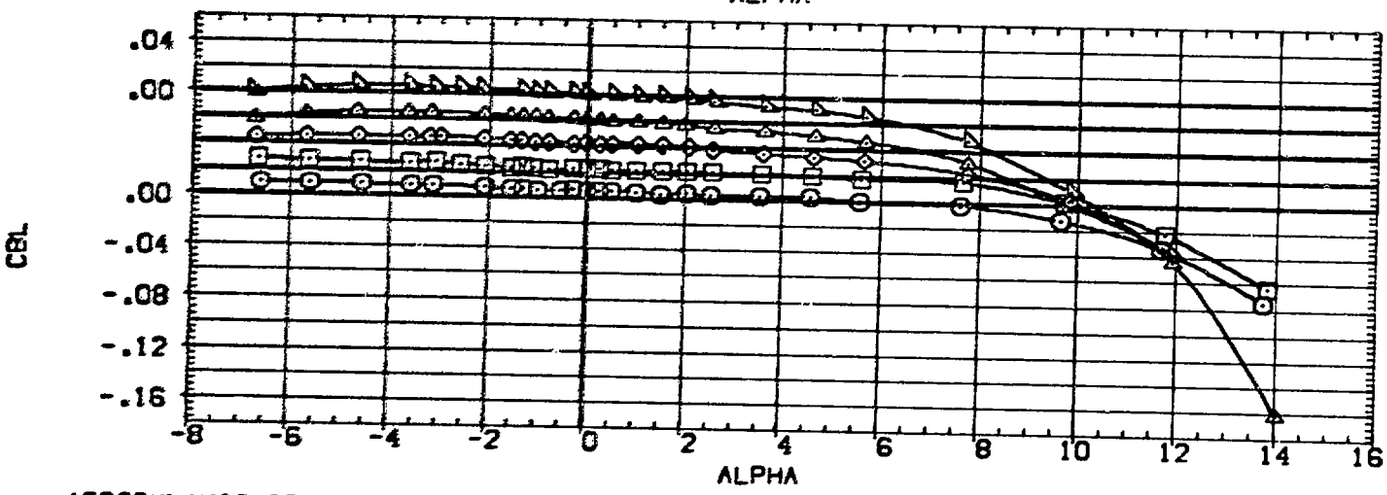
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B20)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.501	PHI	45.000	FRCORD	7.000
□	.601	LAMBDA	.000	THETA	45.000
◇	.800	CR/D	1.750	B/2D	.680
△	.900				
△	.951				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B20)

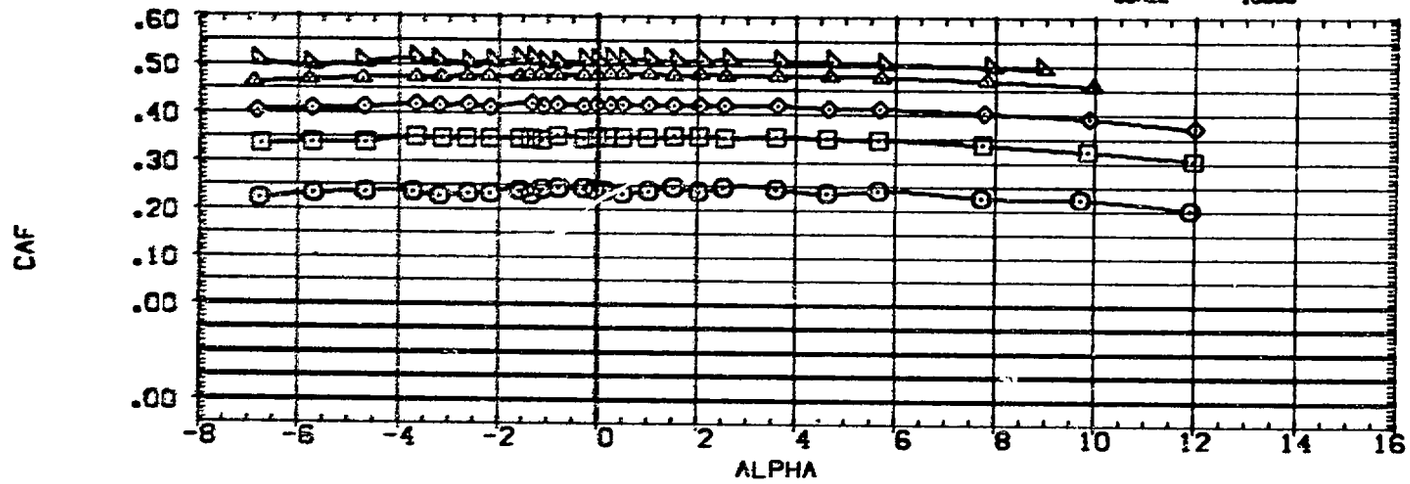
SYMBOL	MACH
□	.899
◇	1.045
△	1.102
▷	1.200
◁	1.300

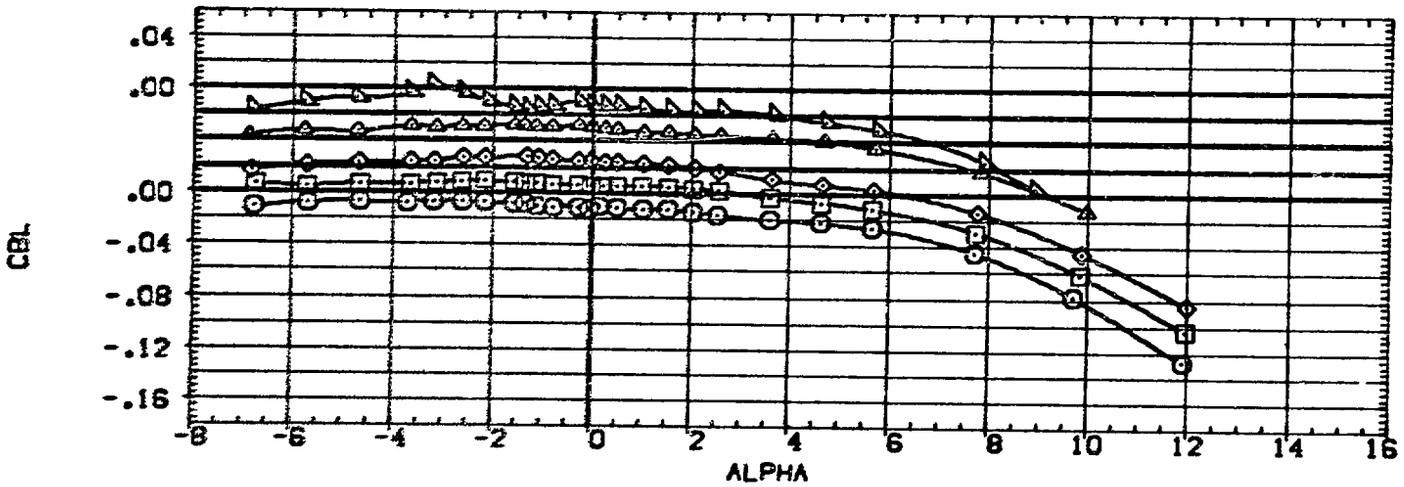
PARAMETRIC VALUES

PHI	45.000	FROM	7.000
LAMBDA	.000	THETA	45.000
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





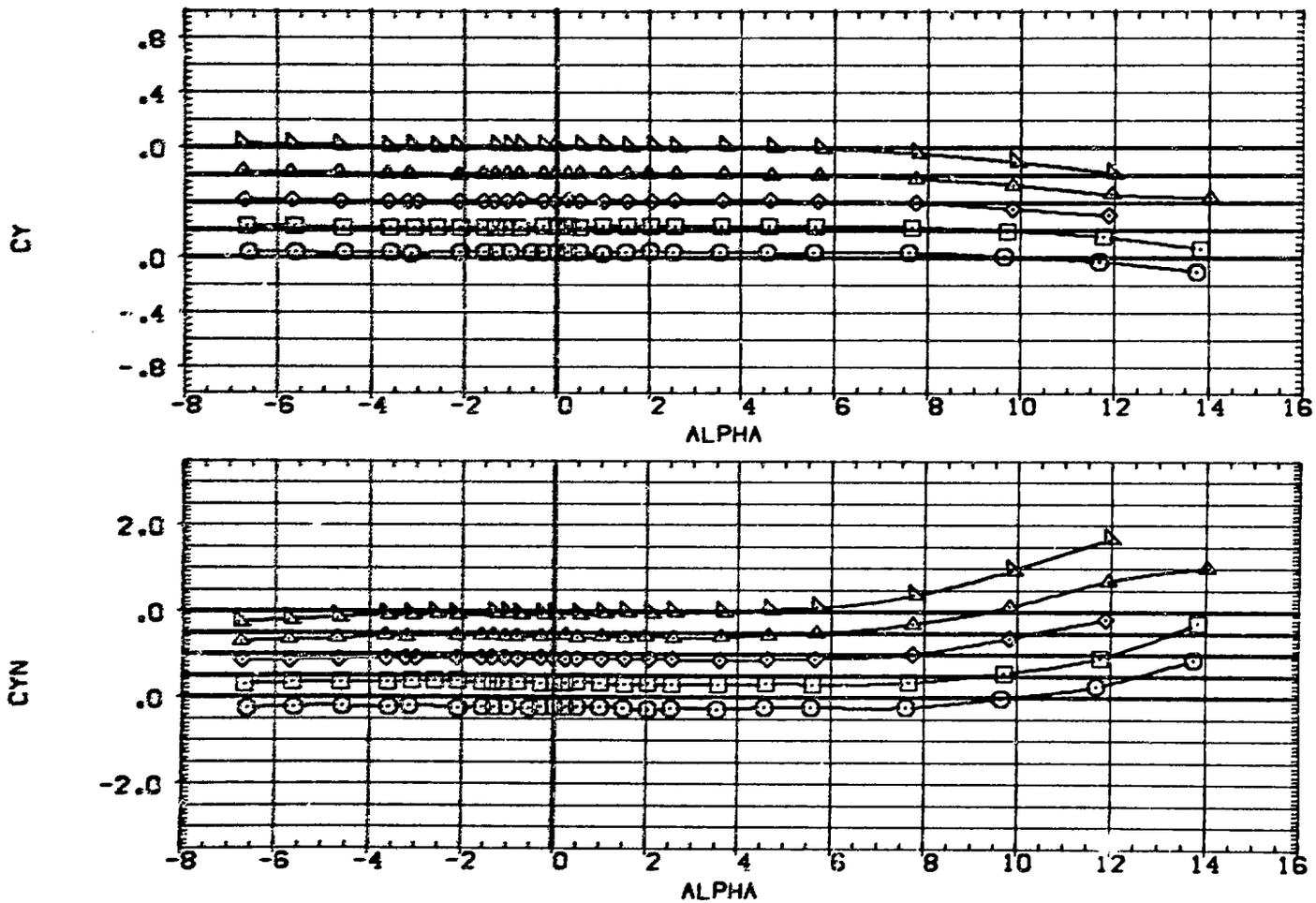
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B20)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.501	PHI	45.000	FRCORD	7.000
□	.601	LAMBDA	.000	THETA	45.000
◇	.800	CR/D	1.750	B/2D	.660
△	.900				
◁	.951				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B20)

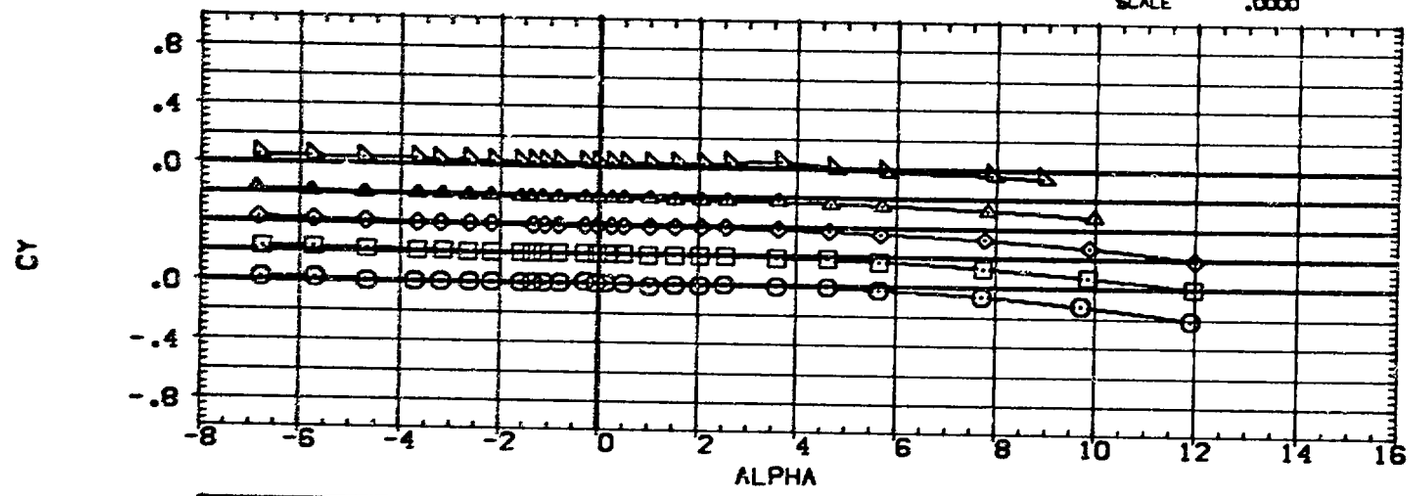
SYMBOL	MACH
○	.895
□	1.049
◇	1.102
△	1.200
◁	1.300

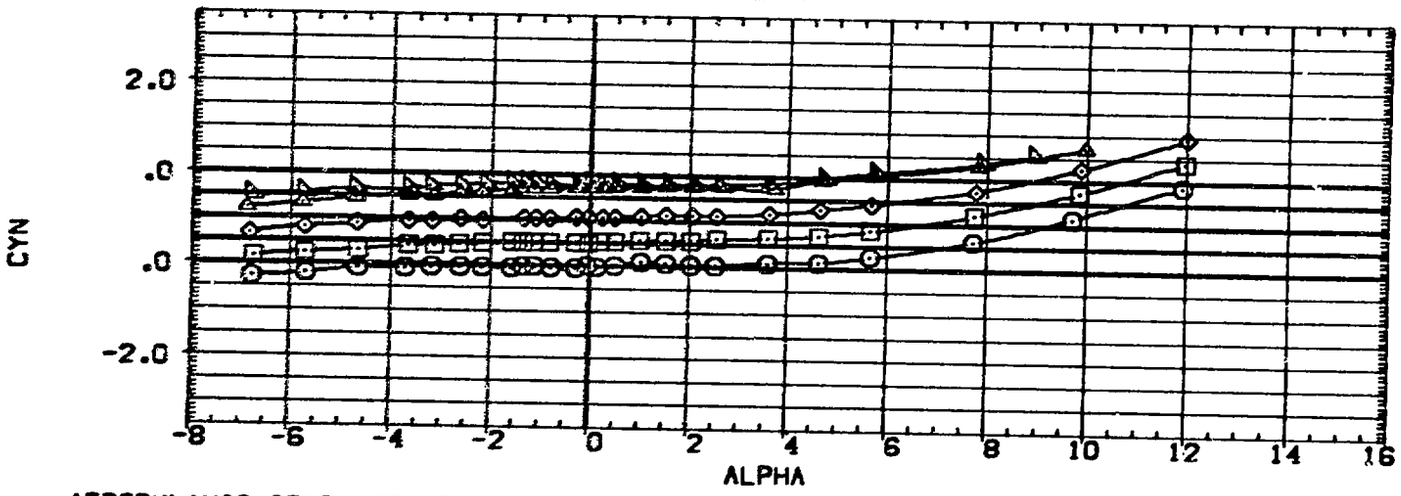
PARAMETRIC VALUES

PHI	45.000	FRCORD	7.000	
LAMBDA	.000	THETA	45.000	
CR/D	1.750	B/2D	.660	

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





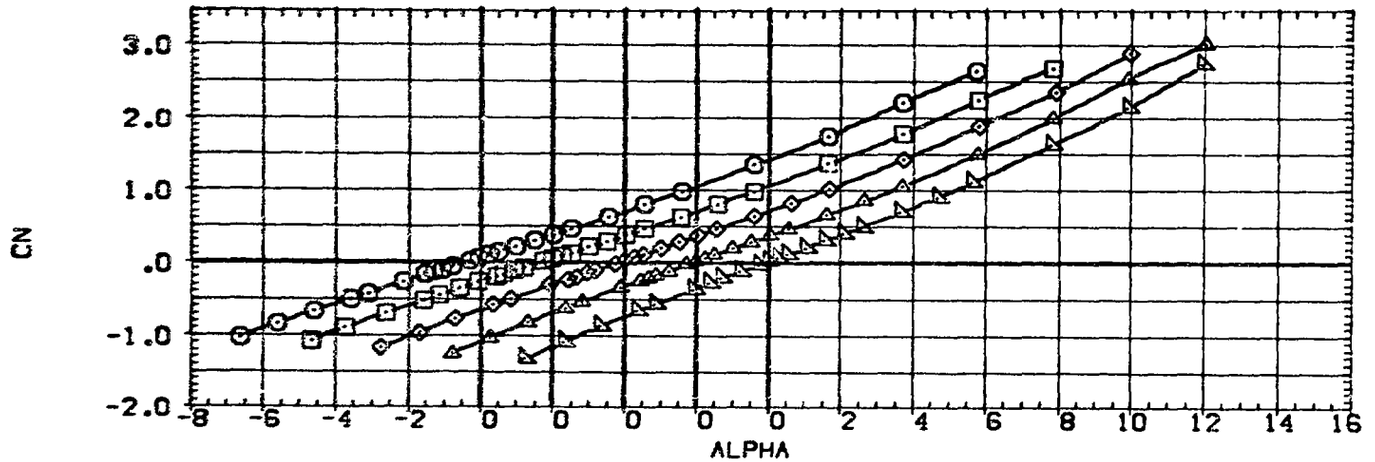
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

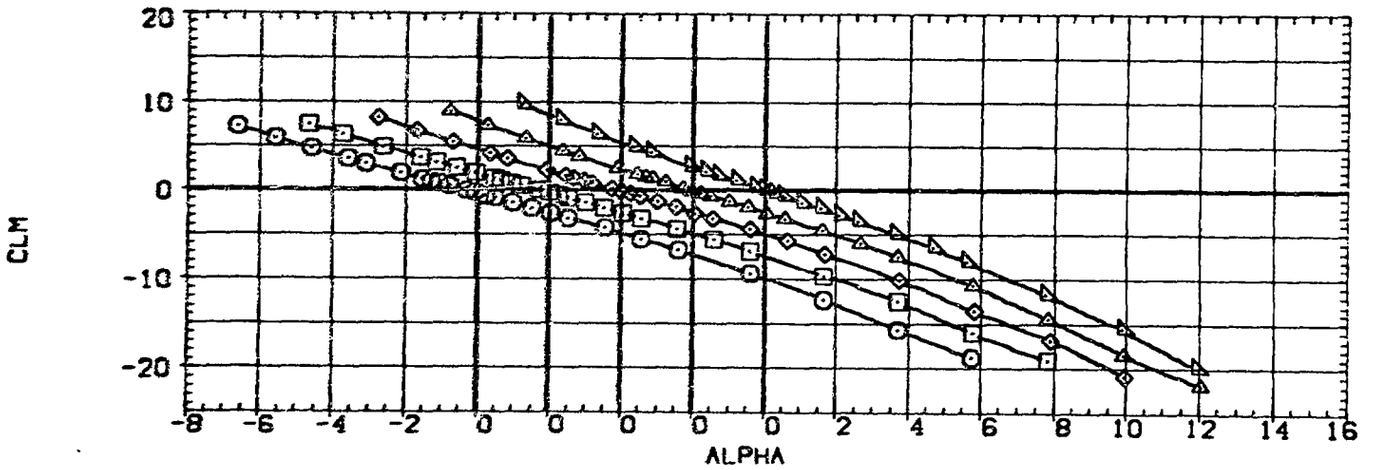
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B21)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	67.500	FRCORD	7.000
□	.600	LAMBDA	.000	THETA	45.000
◇	.802	CR/D	1.750	B/2D	.660
△	.851				
△	.949				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B21)

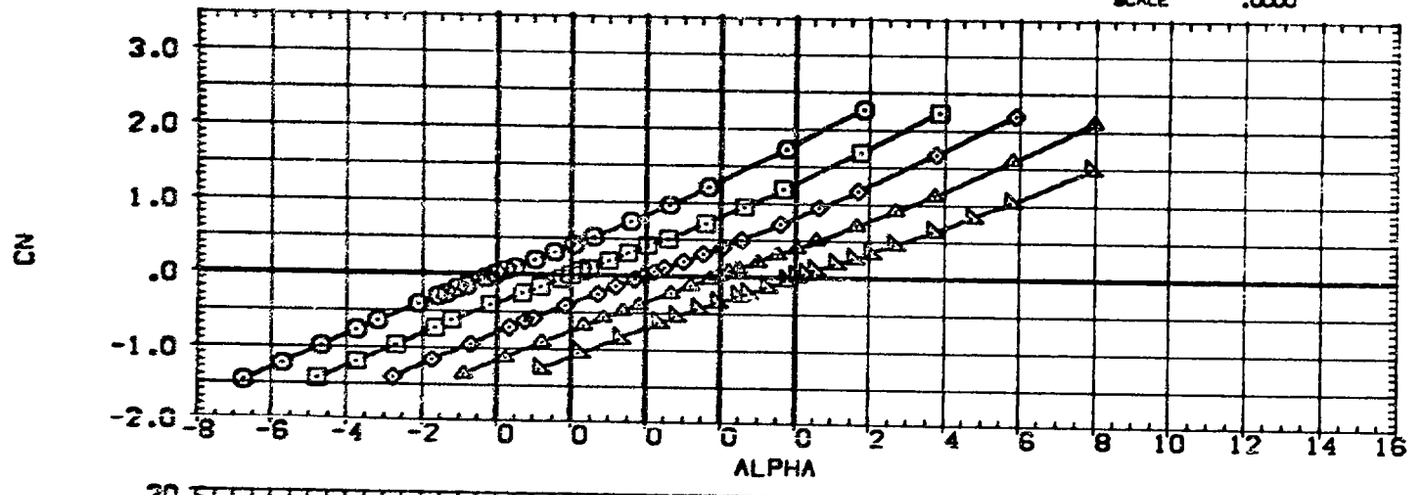
SYMBOL	MACH
○	1.001
□	1.050
◇	1.099
△	1.201
◁	1.297

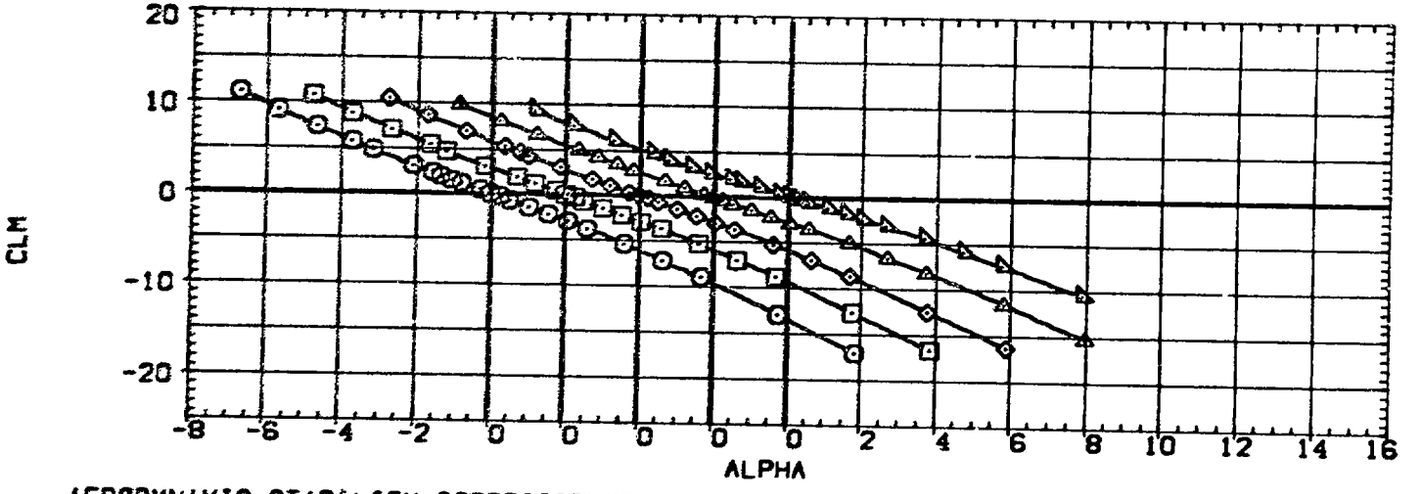
PARAMETRIC VALUES

PHI	67.500	FRORD	7.000
LAMBDA	.000	THETA	45.000
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN. BIF: (AX3B21)

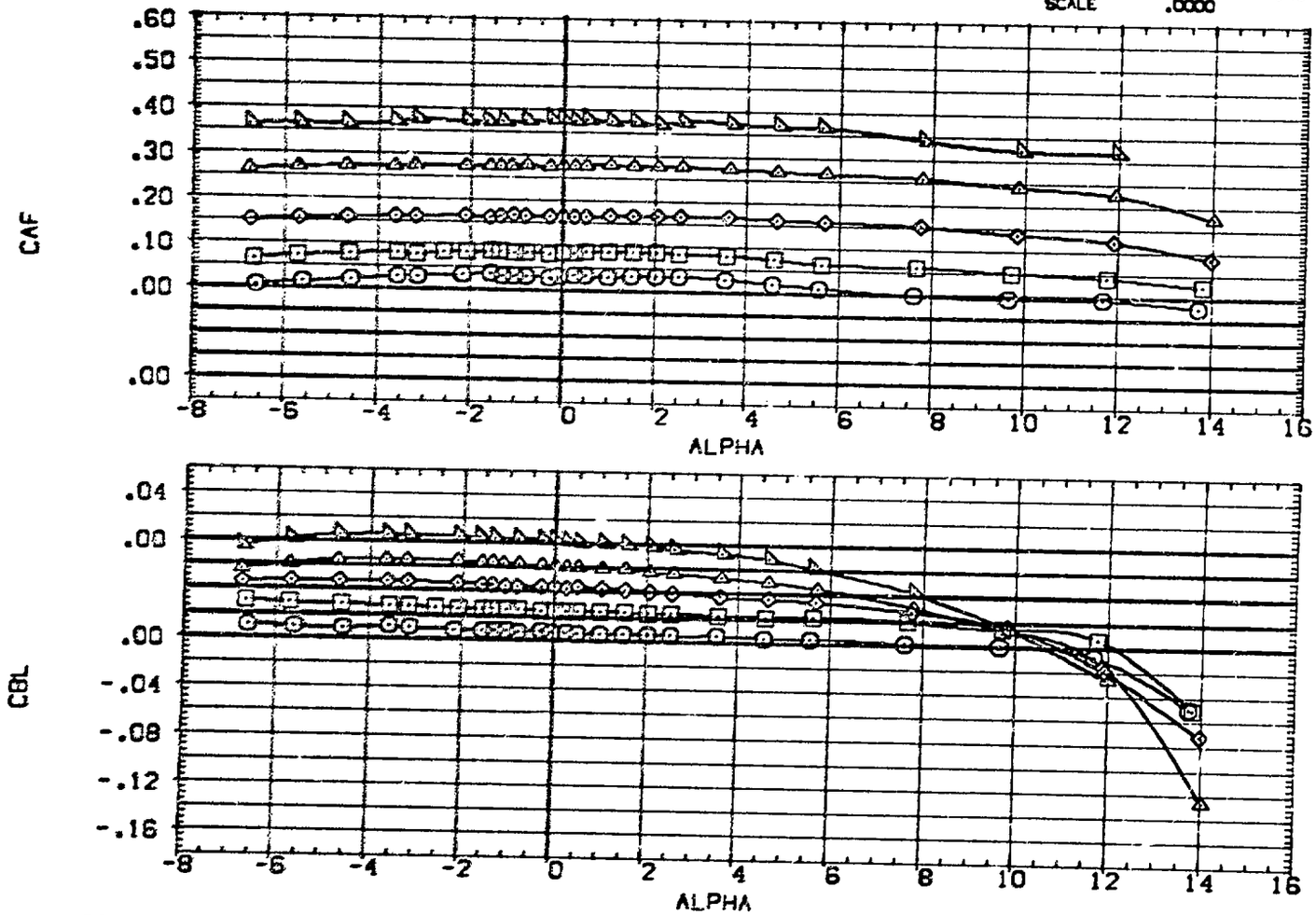
SYMBOL	MACH
◇	.504
△	.600
○	.802
□	.901
▽	.949

PARAMETRIC VALUES

PHI	67.500	FREQRD	7.000
LAMBDA	.000	THETA	45.000
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



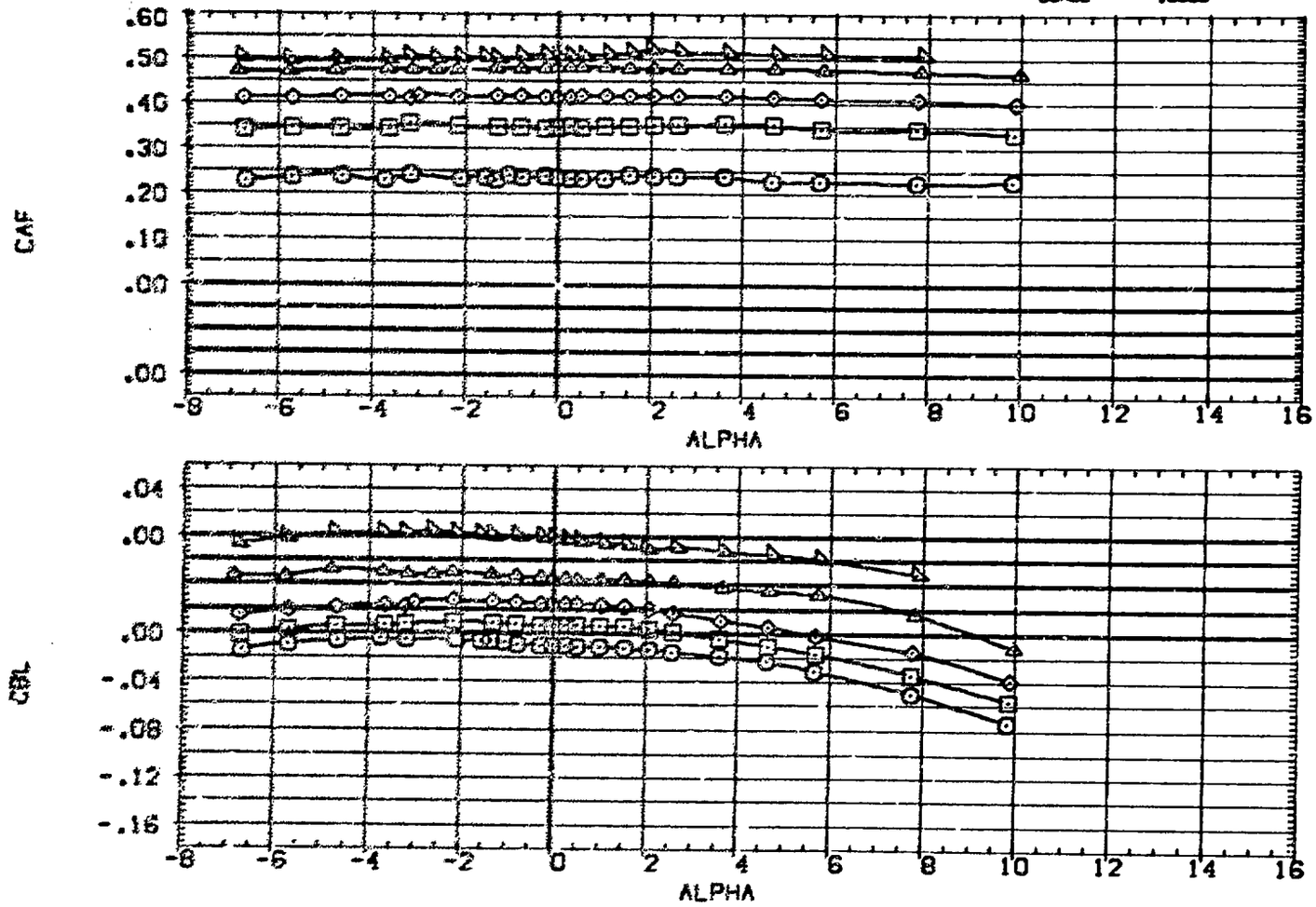
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3821)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.001	PHI	67.500	FRCORD	7.000
□	1.013	LAMBDA	.000	THETA	45.000
◇	1.038	CR/D	1.750	B/2D	.660
△	1.201				
◁	1.297				

REFERENCE INFORMATION

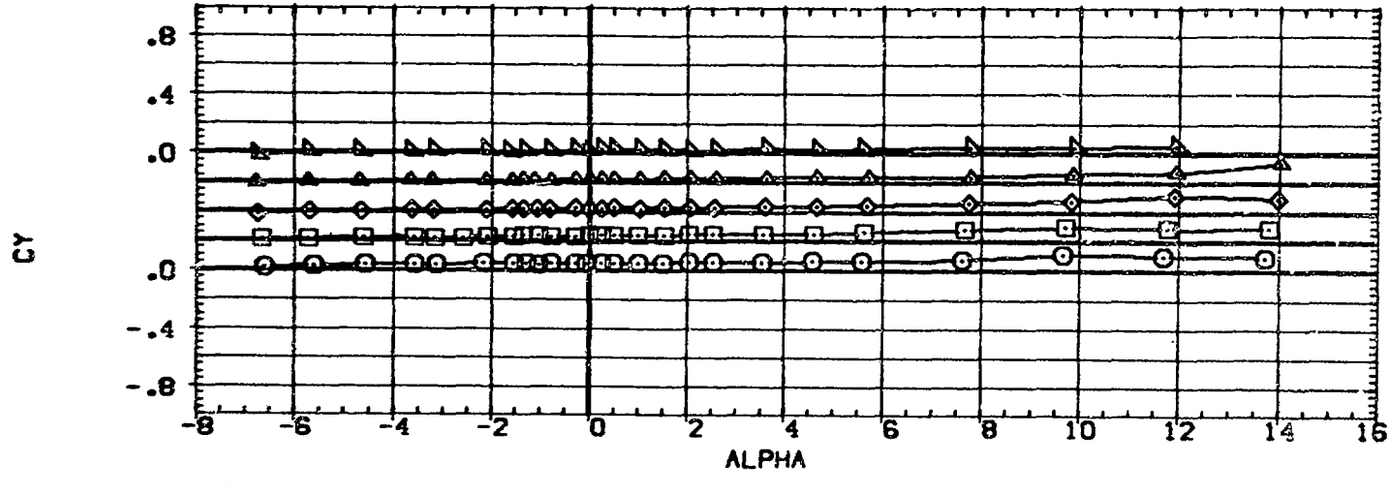
SREF	12.5660	SQ.IN.
LREF	4.00000	INCHES
BREF	4.00000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

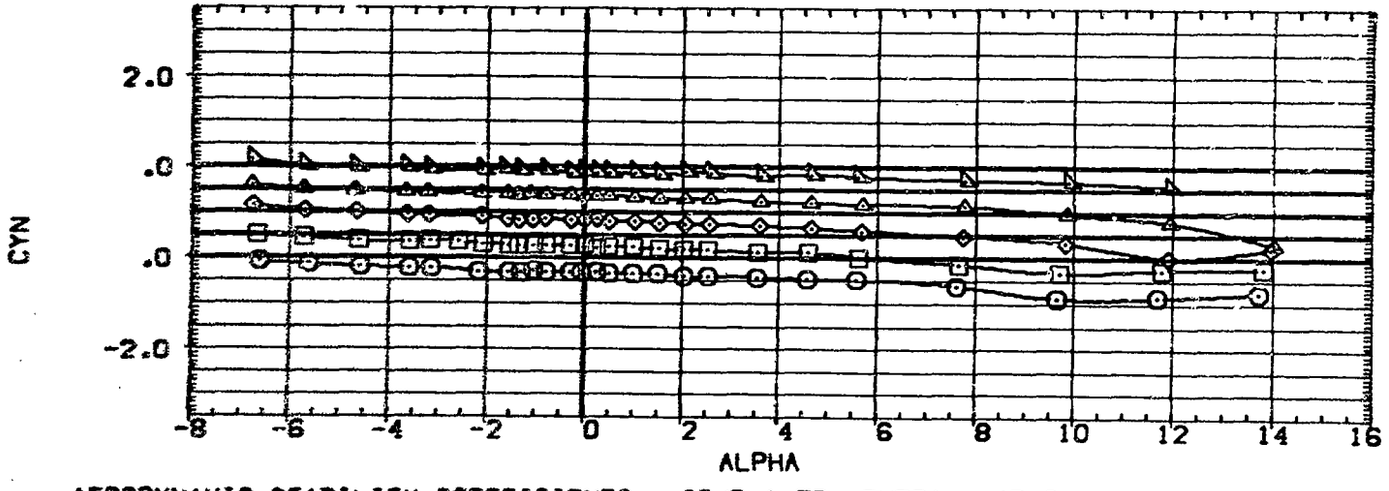


AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B21)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	.504	PHI	67.500	FRCORD	7.000	SREF	12.5660	SQ.IN.
□	.600	LAMBDA	.000	THETA	45.000	LREF	4.0000	INCHES
◇	.802	CR/D	1.750	B/2D	.660	BREF	4.0000	INCHES
△	.901					XMRP	.0000	INCHES
⊿	.949					YMRP	.0000	INCHES
						ZMRP	.0000	INCHES
						SCALE	.0000	





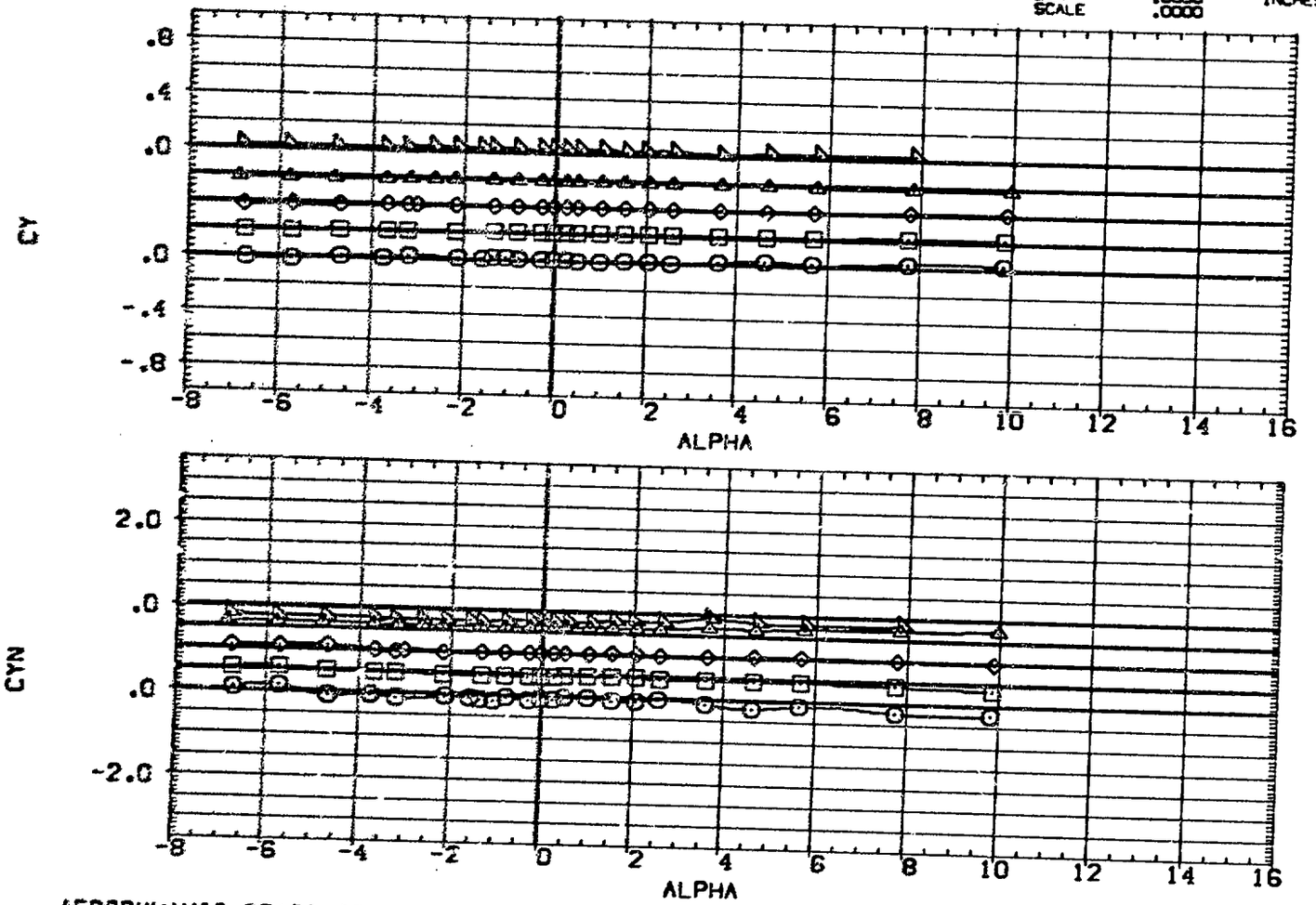
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3B21)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.001	PHI	67.500	FRORD	7.000
□	1.050	LAMBDA	.000	THETA	45.000
◇	1.099	CR/D	1.750	B/2D	.660
△	1.201				
▽	1.297				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



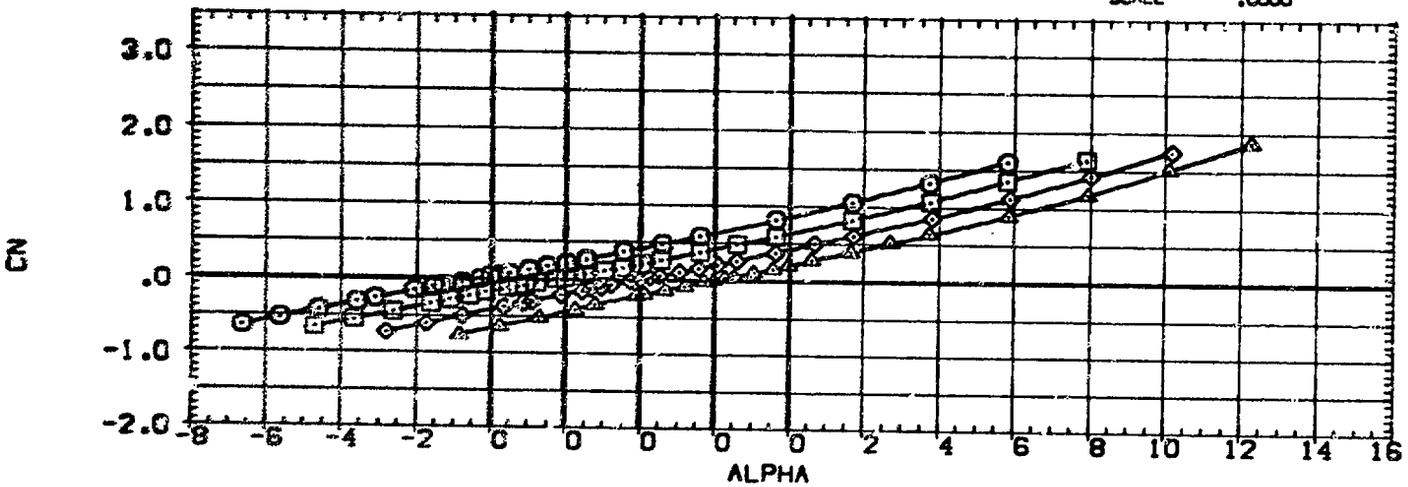
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 45.0

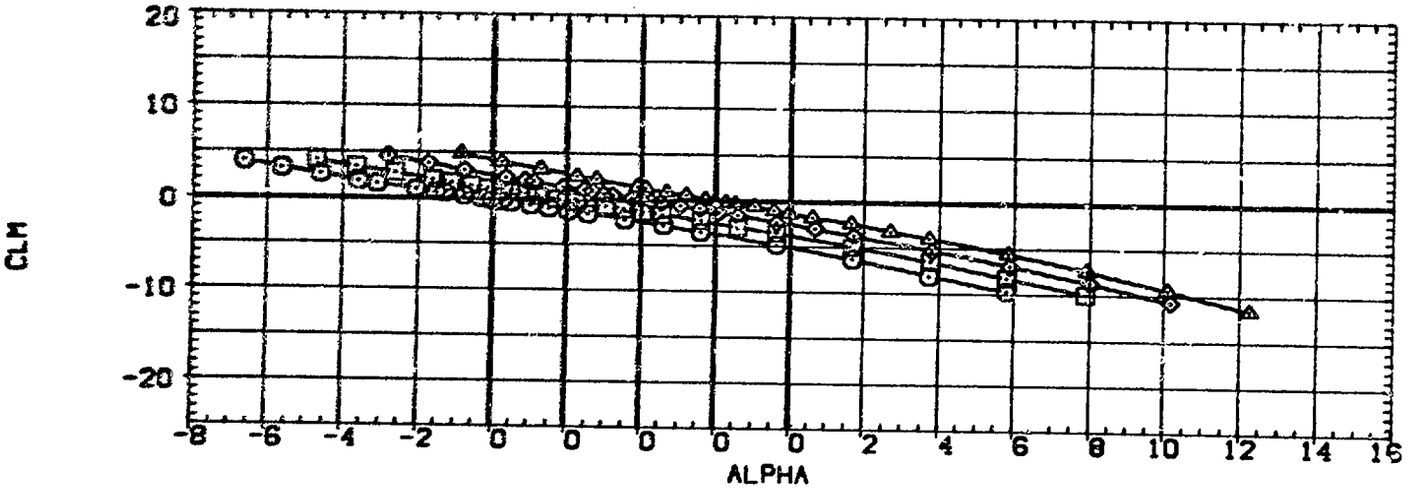
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3822)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	.000	FRCORD	7.000
□	.603	LAMBDA	.000	THETA	90.000
◇	.799	CR/D	1.750	B/2D	.660
△	.896				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B22)

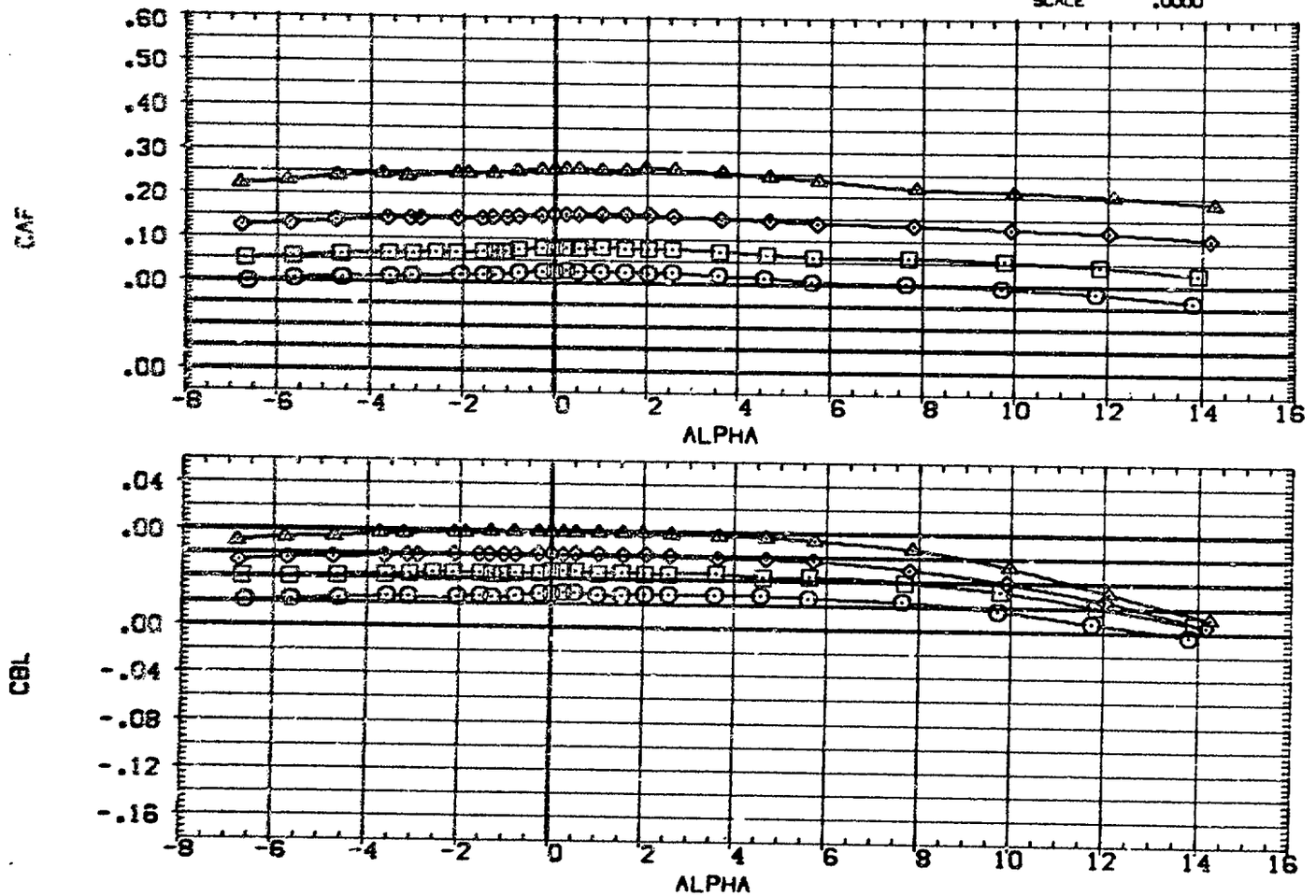
SYMBOL	MACH
○	.505
□	.623
◇	.799
△	.856

PARAMETRIC VALUES

PHI	.000	FRCORD	7.000
LAMBDA	.000	THETA	90.000
CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



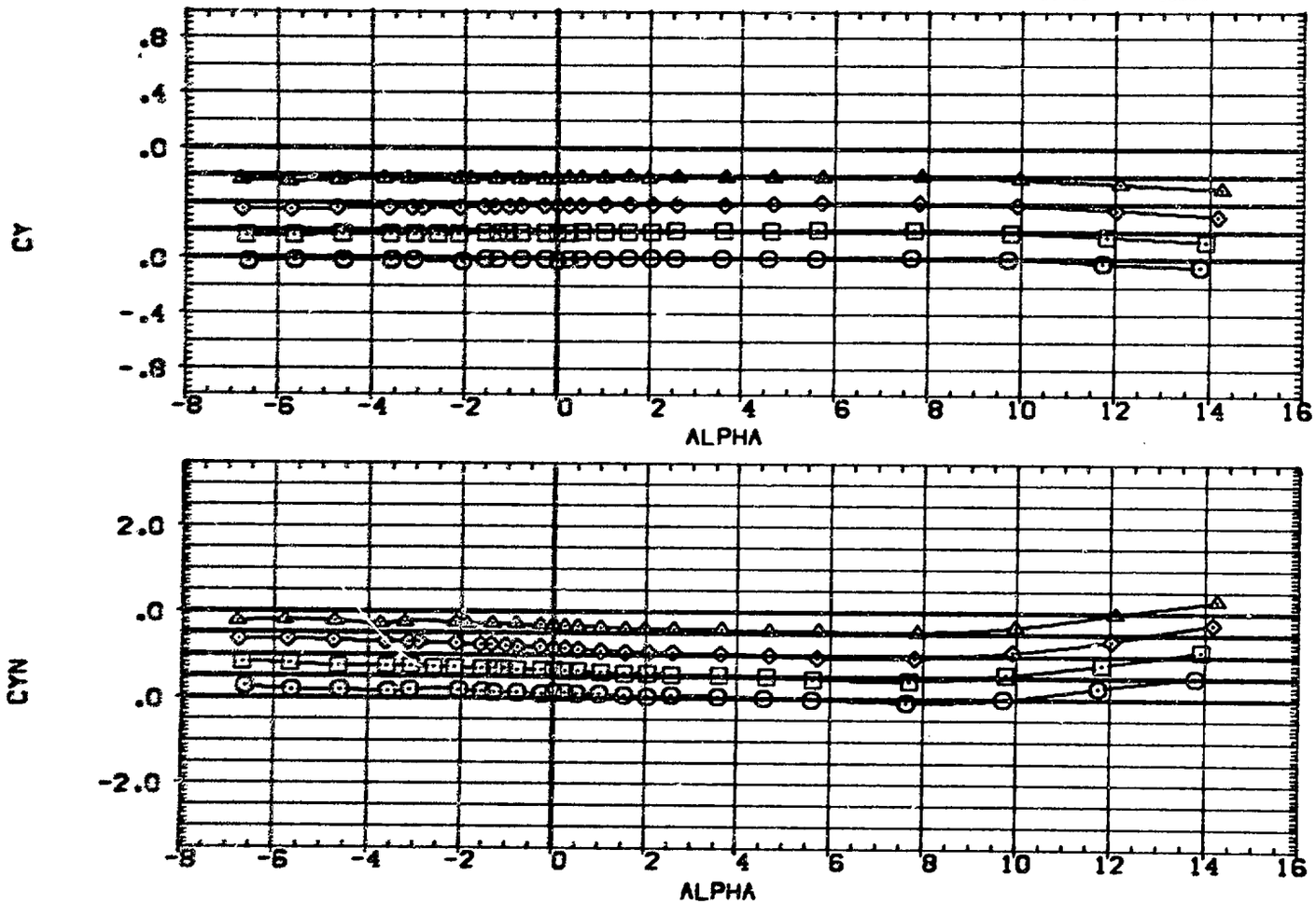
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B22)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	.000	FREQ'D	7.000
◇□	.603	LAMBDA	.000	THETA	90.000
△	.799	CR/D	1.750	B/2D	.660
	.896				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



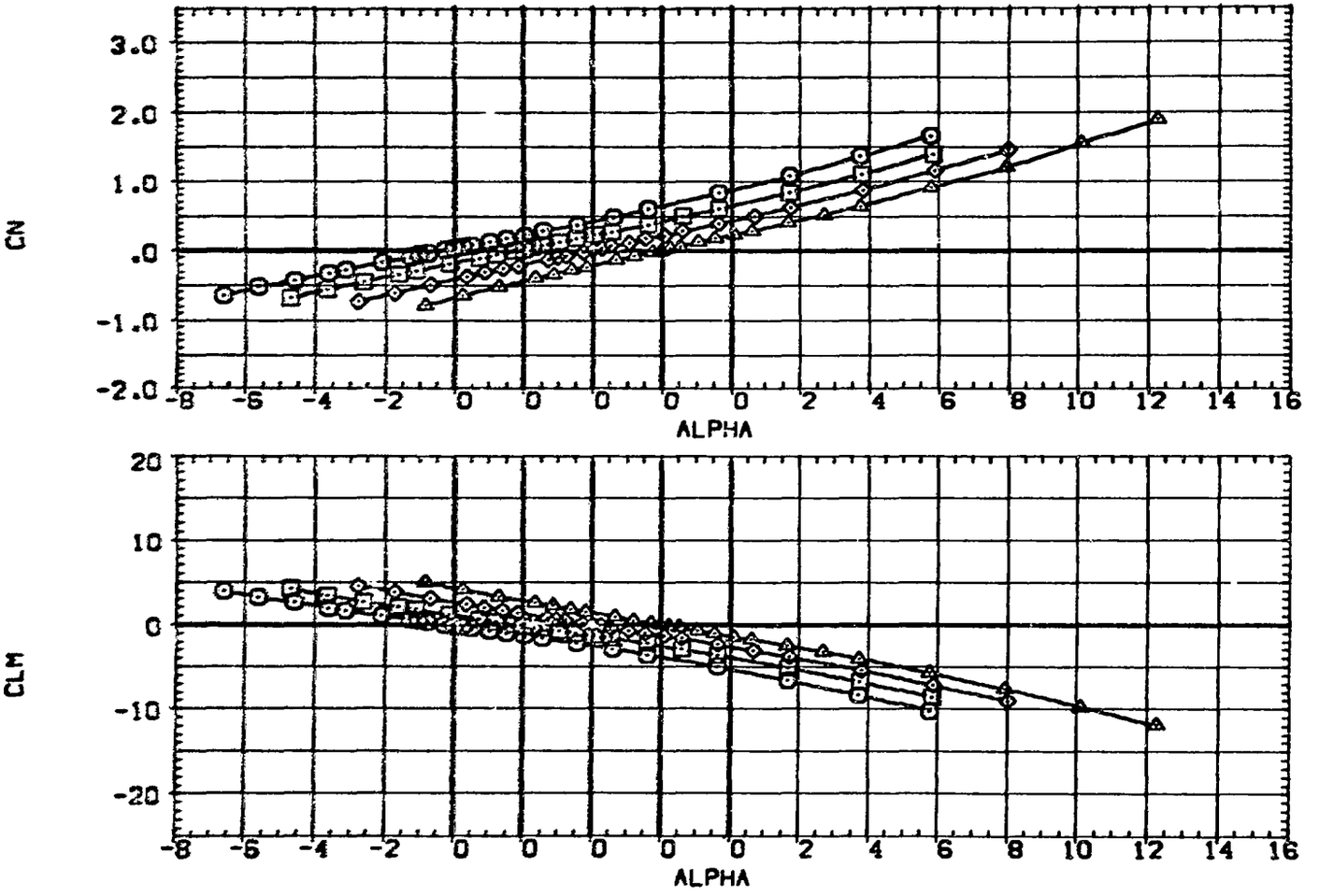
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B23)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	PROFILE	7.000
□	.603	LAMBDA	.000	THETA	90.000
◇	.800	CR/D	1.750	B/2D	.660
△	.901				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



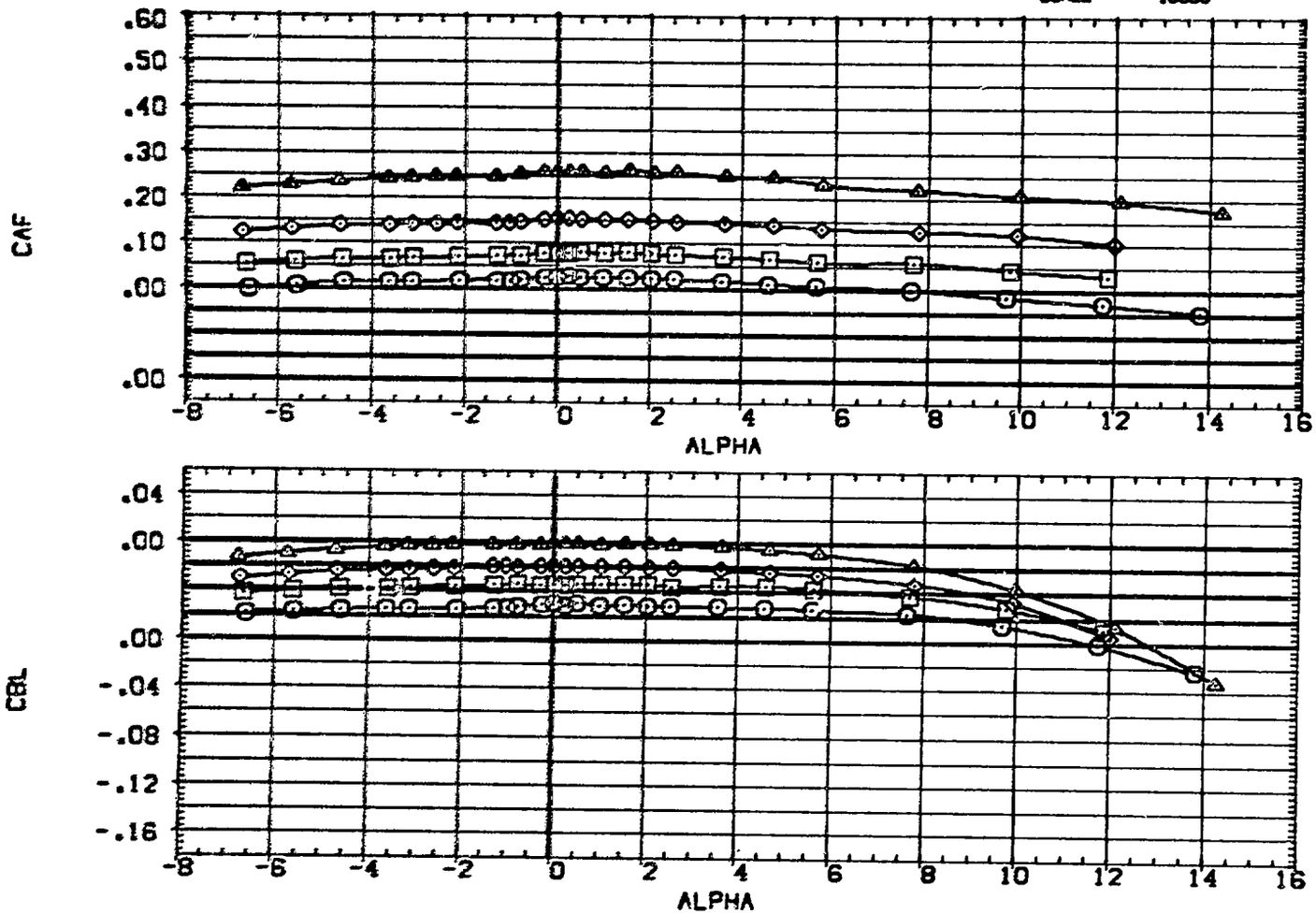
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3823)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	FRCORD	7.000
□	.603	LAMBDA	.000	THETA	90.000
◇	.800	CR/D	1.750	B/2D	.660
△	.901				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



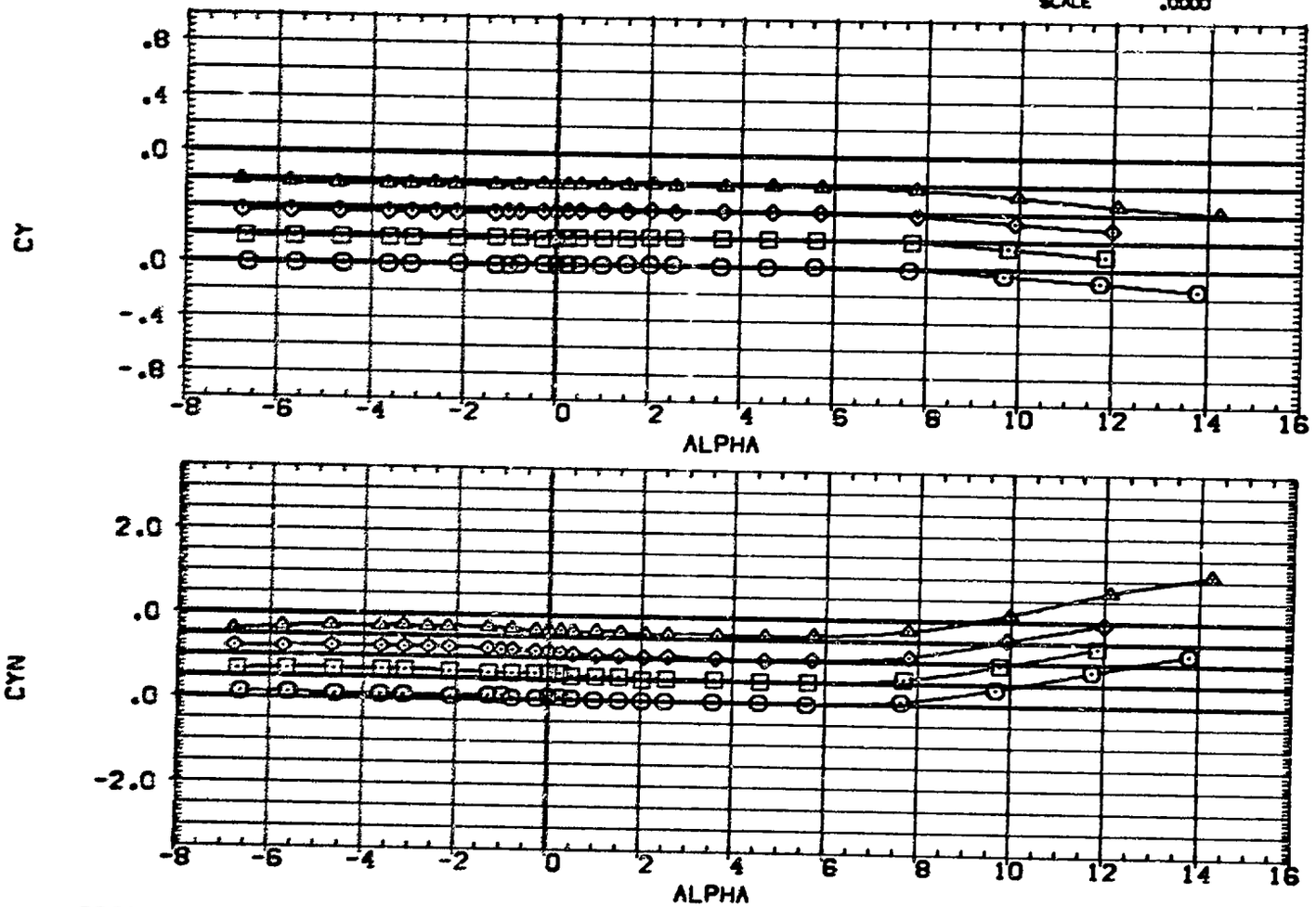
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B23)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	FRORO	7.000
□	.603	LAMBDA	.000	THETA	90.000
◇	.800	CR/D	1.750	B/2D	.860
△	.901				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



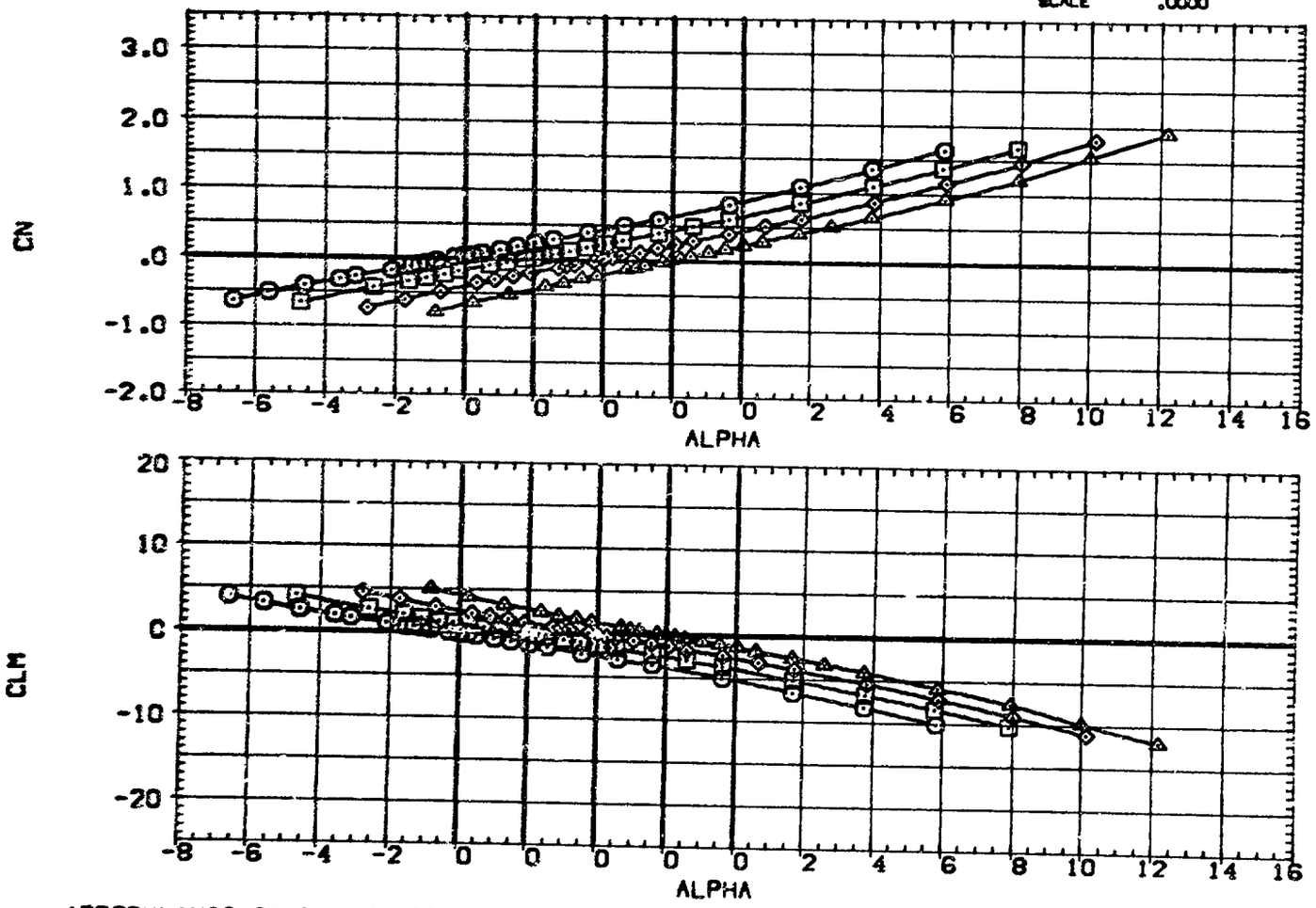
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B24)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCORD	7.000
□	.603	LAMBDA	.000	THETA	90.000
◇	.800	CR/D	1.750	B/2D	.550
△	.901				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



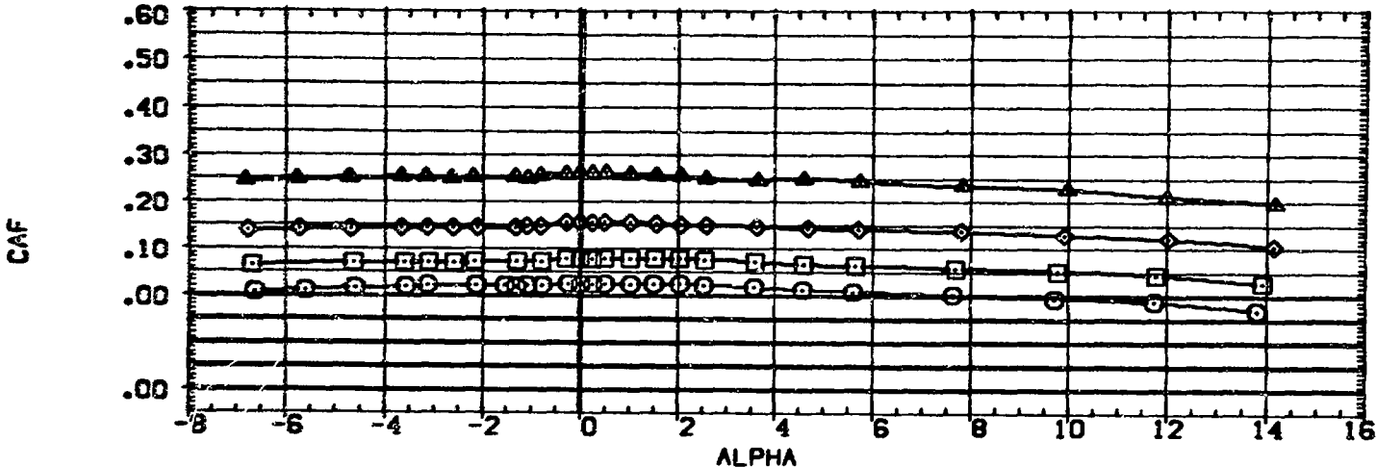
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

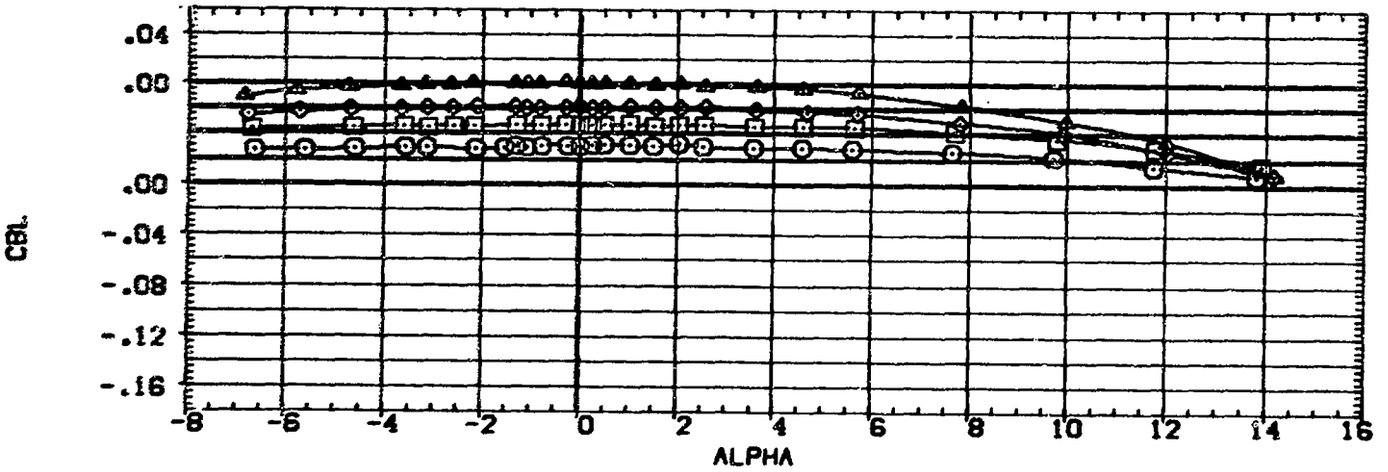
AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B24)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCORD	7.000
□	.603	LAMBDA	.000	THETA	90.000
◇	.800	CR/D	1.750	B/2D	.660
△	.901				

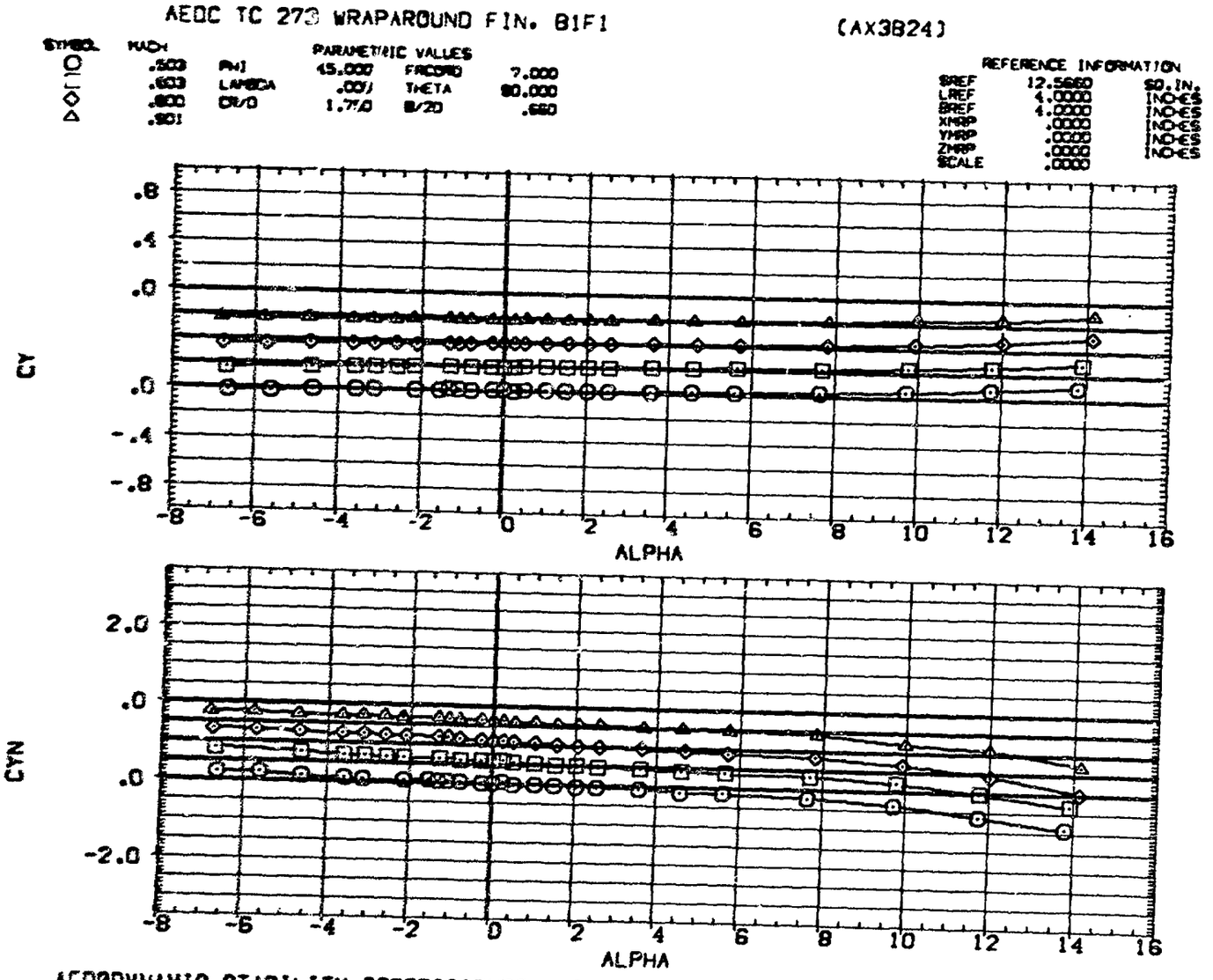
REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0



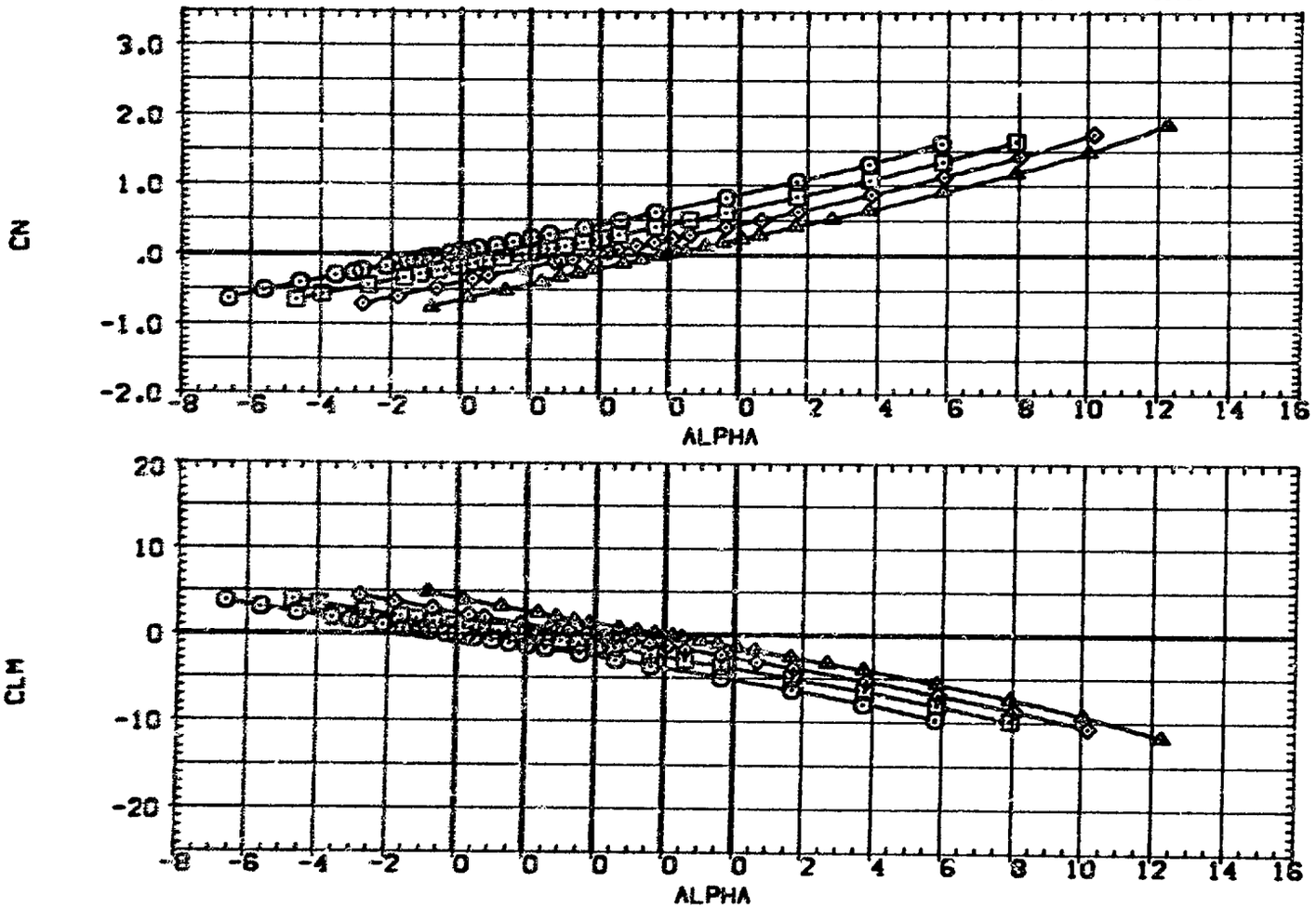
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3B25)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.500	PHI	67.500	FRCORD	7.000
□	.803	LAMBDA	.000	THETA	90.000
◇	.796	CR/D	1.750	B/2D	.660
△	.803				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



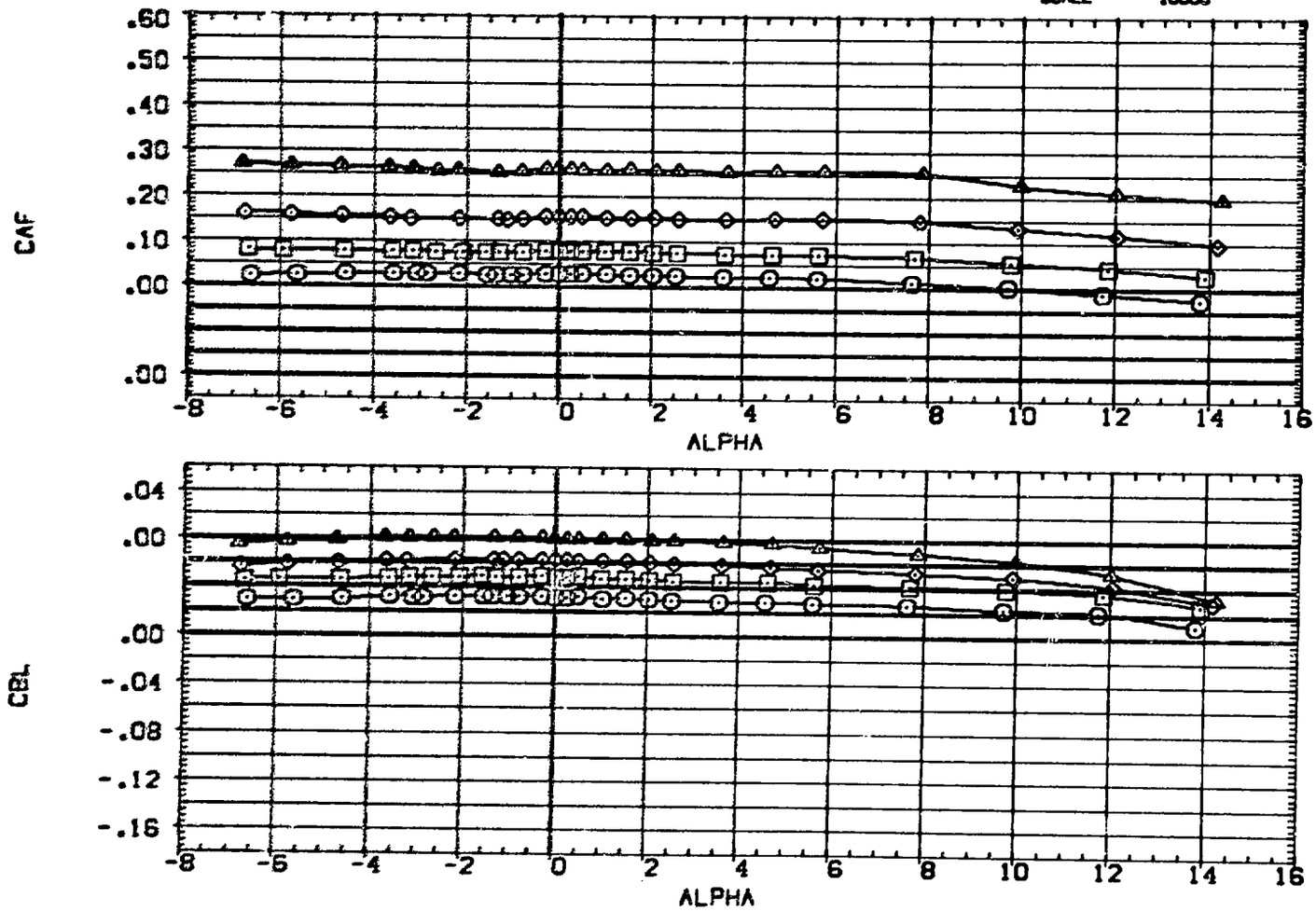
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B25)

SYMBOL	MACH		PARAMETRIC VALUES		
▷	.503	PHI	67.500	FRCORD	7.000
◇	.603	LAMBDA	.000	THETA	90.000
□	.798	CR/D	1.750	B/2D	.660
○	.903				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



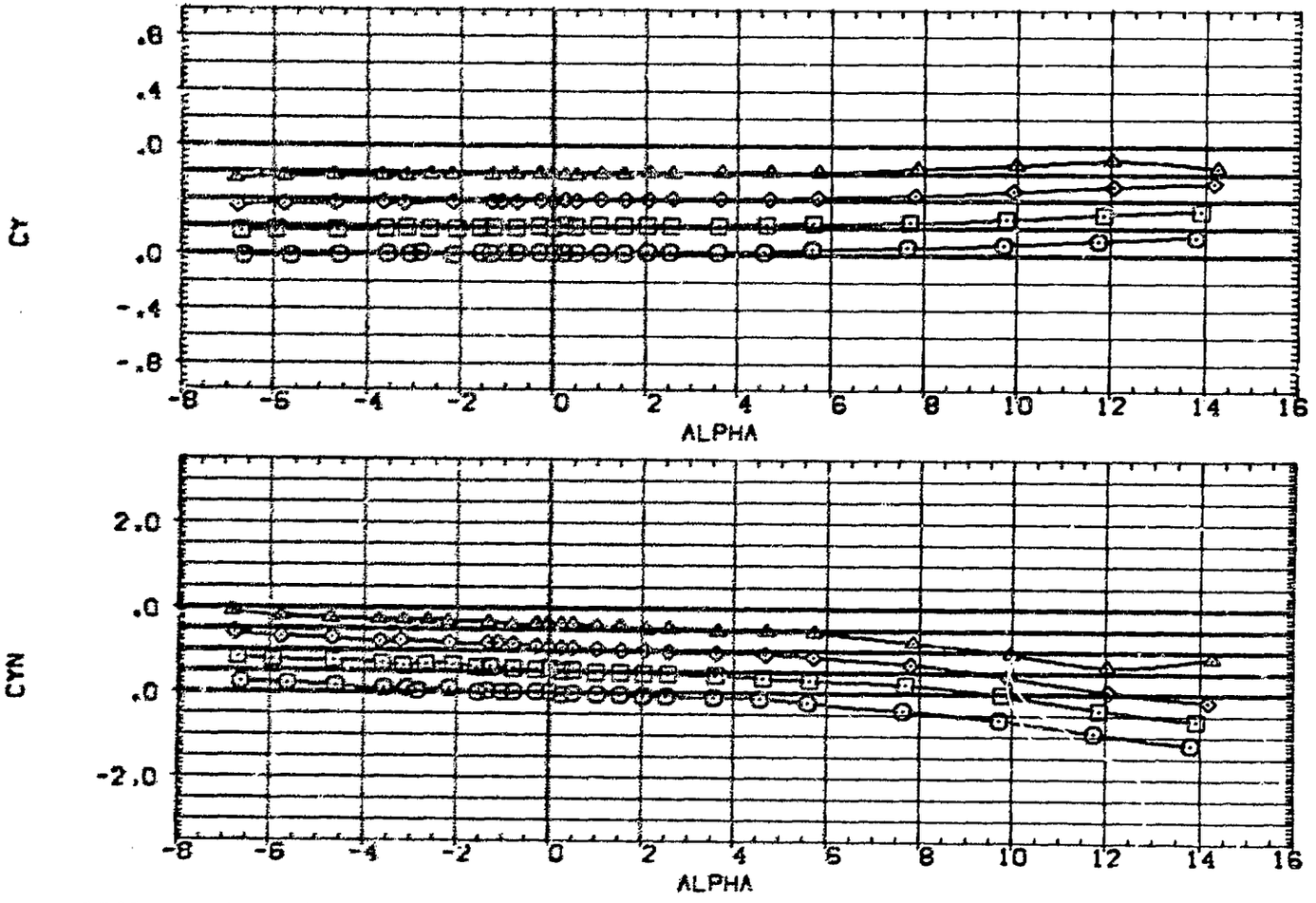
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

AEDC TC 273 WRAPAROUND FIN, BIF1 (AX3B25)

SYMBOL	MACH		PARAMETRIC VALUES		
	.503	PHI	67.500	FRCORD	7.000
	.603	LAMBDA	.000	THETA	90.000
	.798	CR/D	1.750	B/2D	.660
	.803				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



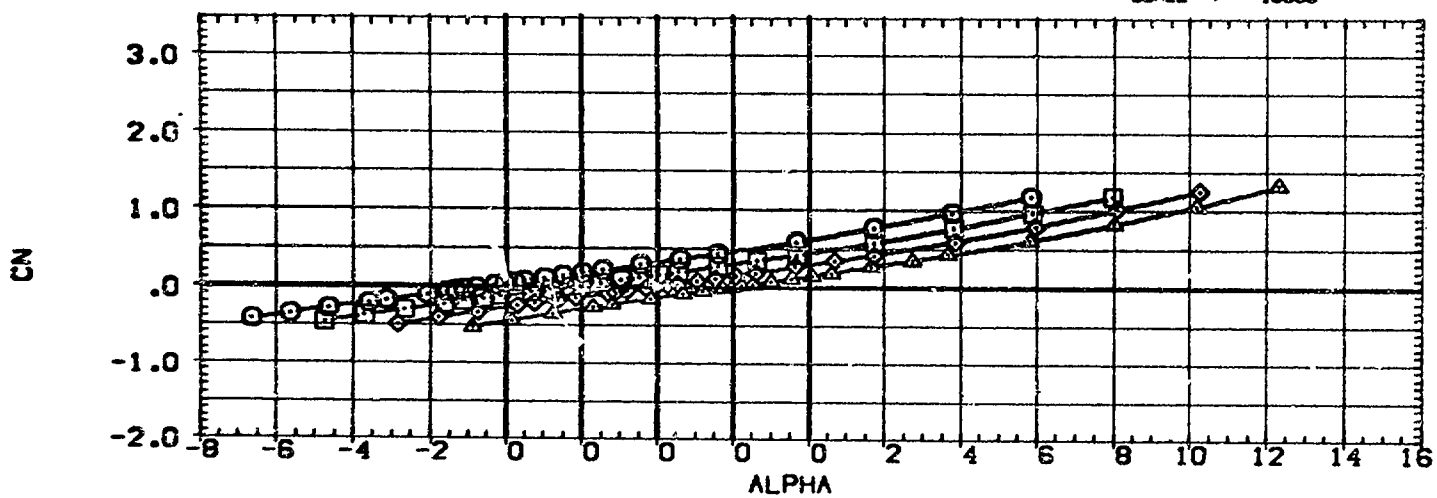
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 90.0

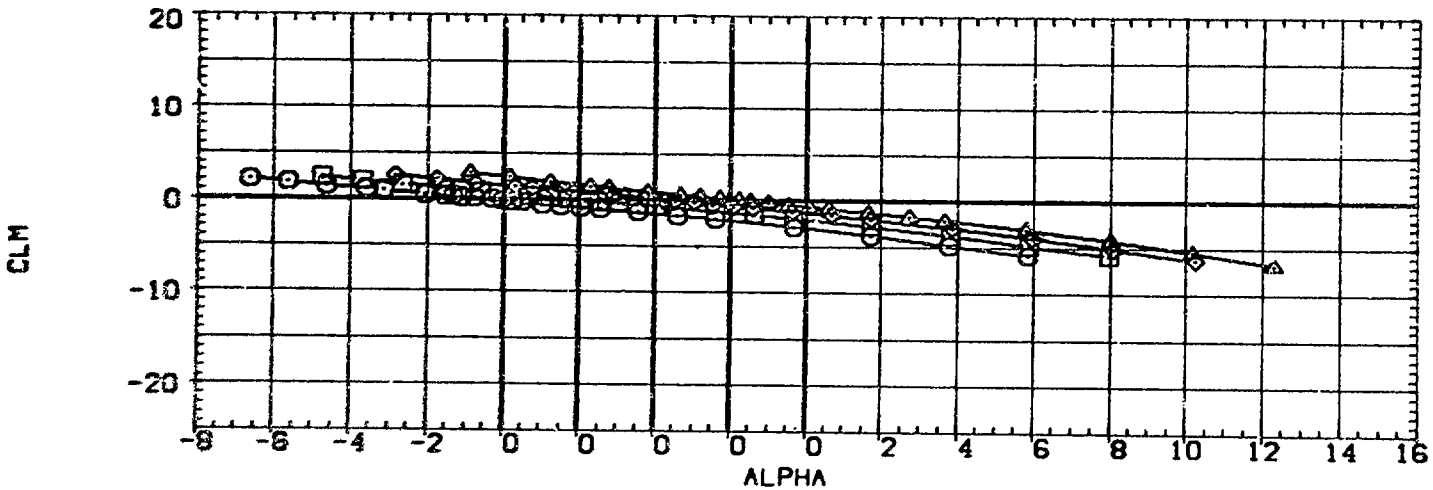
AEDC TC 273 WRAPAROUND FIN. B1F1 (AX3826)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	.000	FRCORD	7.000
□	.602	LAMBDA	.000	THETA	112.500
◇	.799	CR/D	1.750	B/2D	.660
△	.900				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

- AEDC TC 273 WRAPAROUND FIN, BIF:

(AX3826)

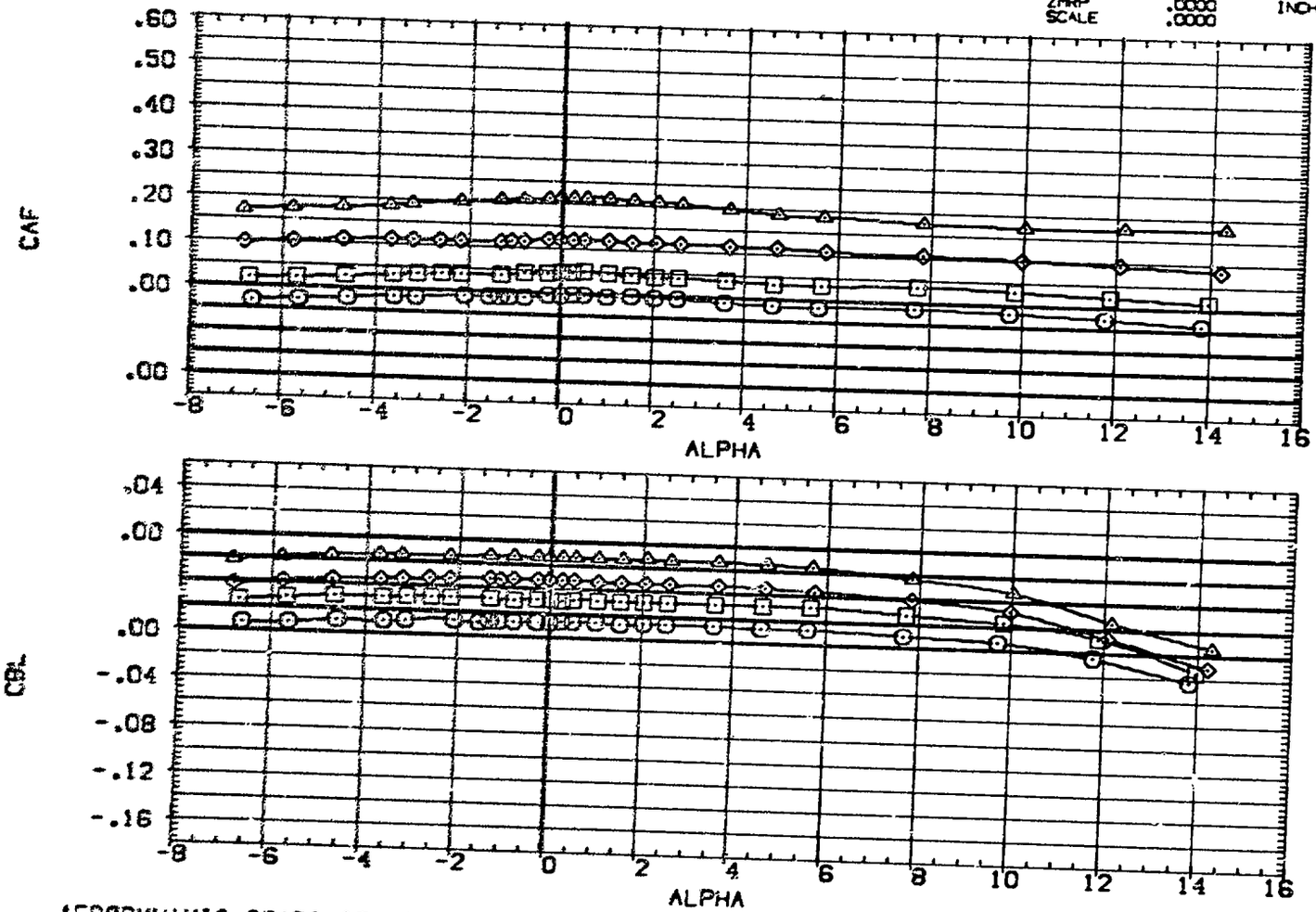
SYMBOL	MACH
○	.504
□	.602
◇	.799
△	.900

PARAMETRIC VALUES

PHI	.000	FRCORD	7.000
LAMBDA	.000	THETA	112.500
CR/D	1.750	D/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



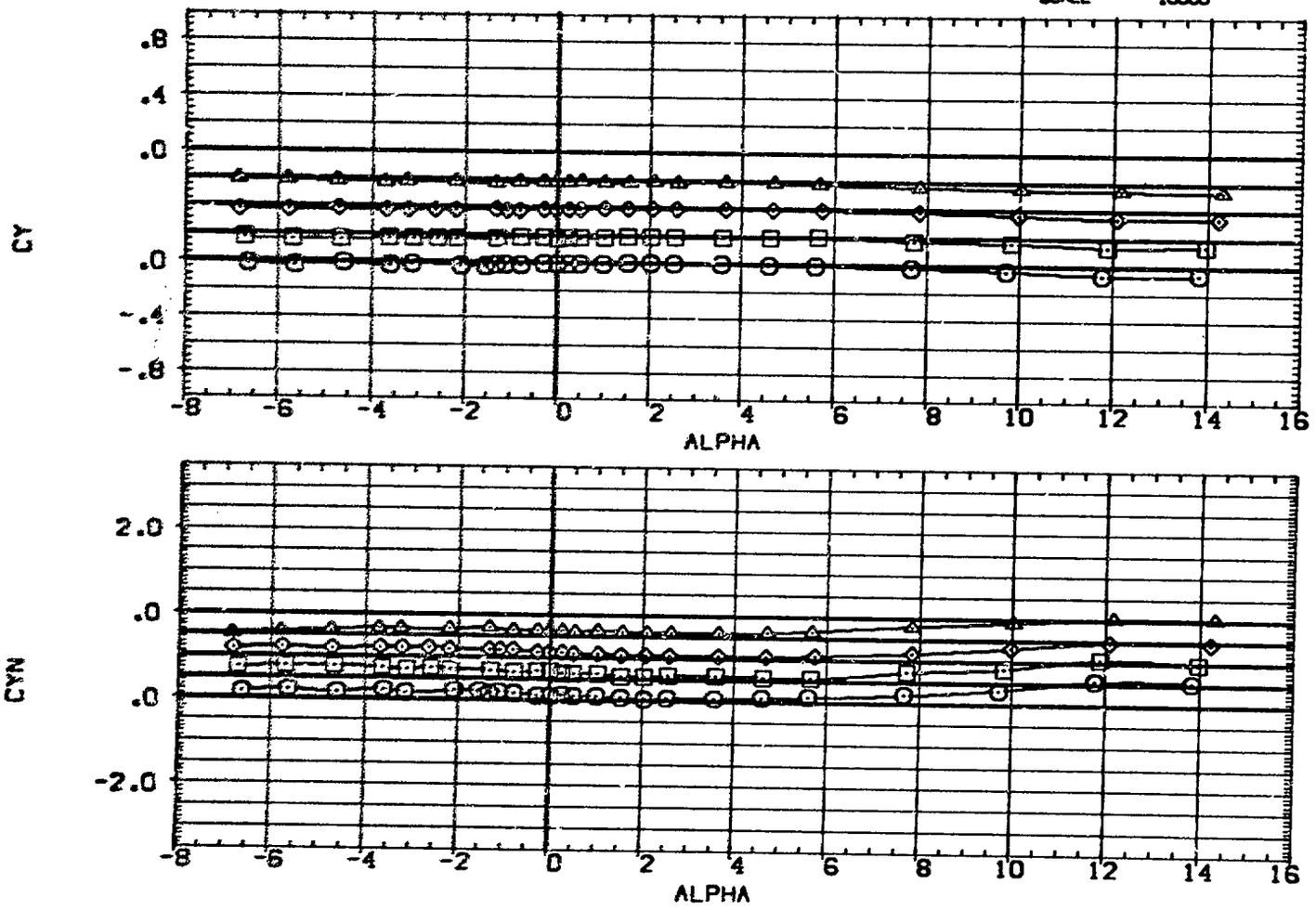
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

AEDC TC 273 WRAPAROUND FIN. BIF1 (AX3626)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	.000	FRCORD	7.000
□	.602	LAMBDA	.000	THETA	112.500
◇	.795	CR/D	1.750	B/2D	.800
△	.800				

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



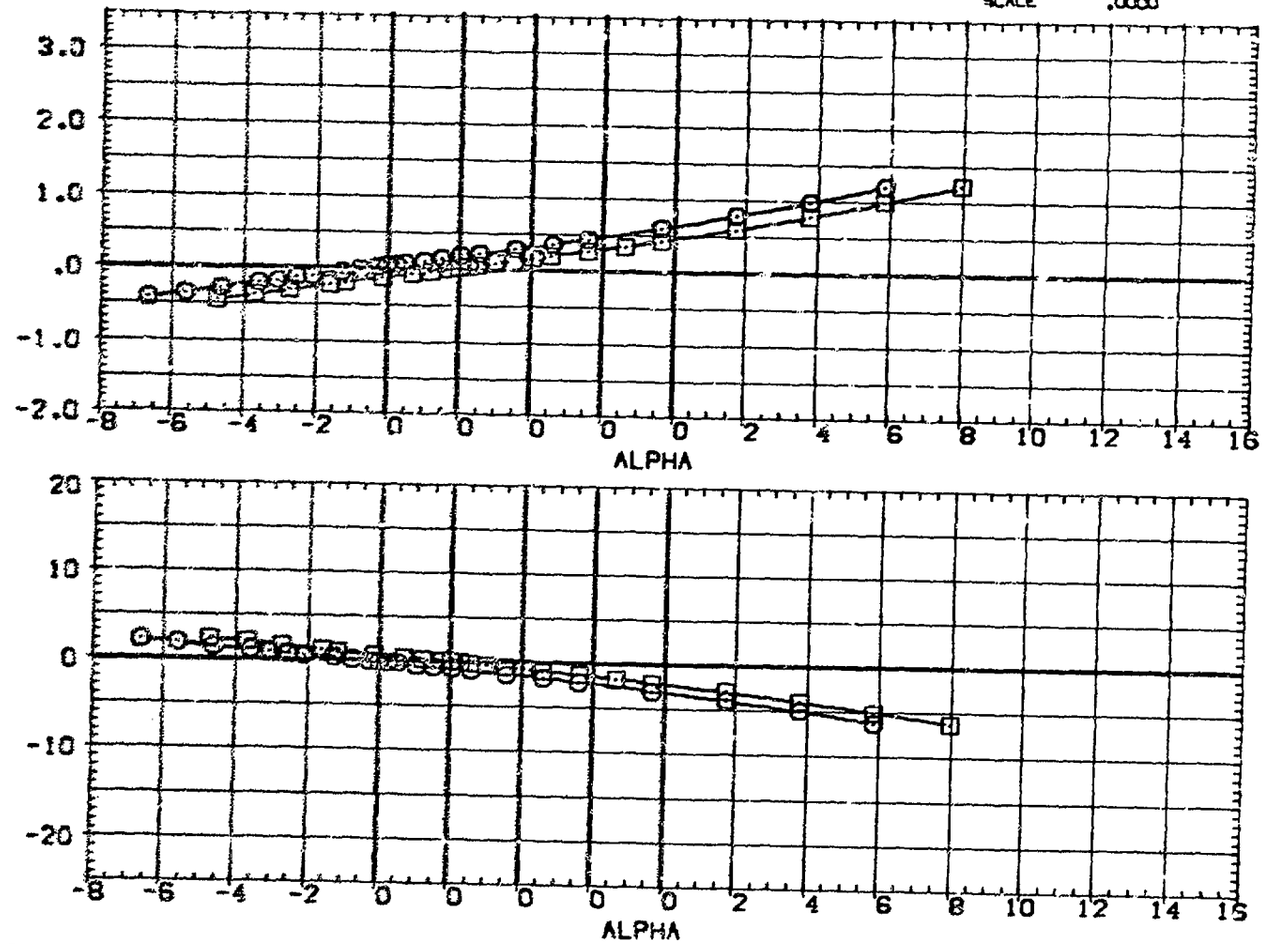
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

AEDC TC 273 #RAPAROUND FIN, B1F1 (AX3B27)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	FRCORD	7.000
□	.603	LAMBDA	.000	THETA	112.500
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



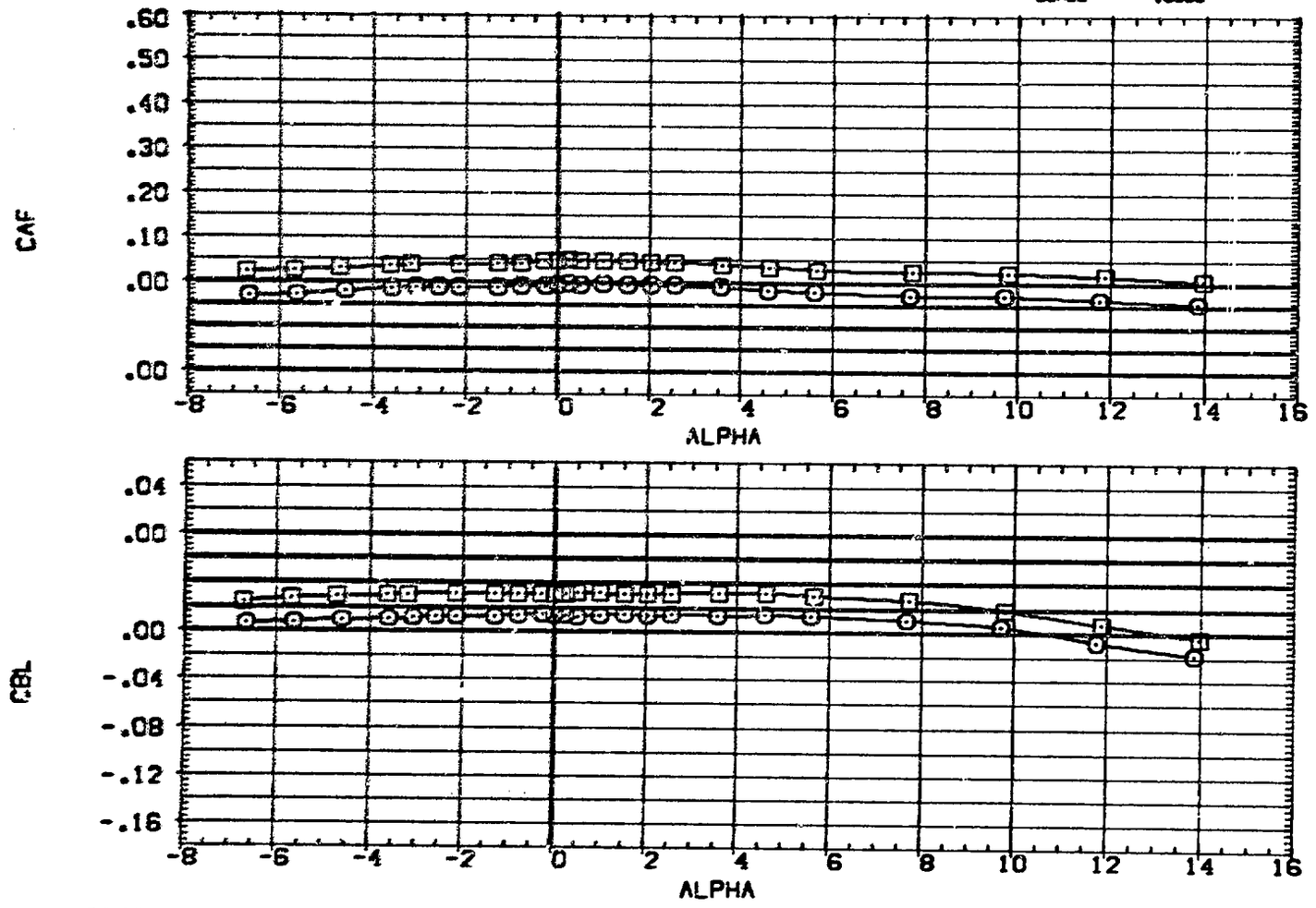
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3827)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.503	R-N	22.500	FRCORD	7.000
□	.603	LAMBDA	.000	THETA	112.500
		CR/D	1.750	B/2D	.650

REFERENCE INFORMATION

SREF	12.5680	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



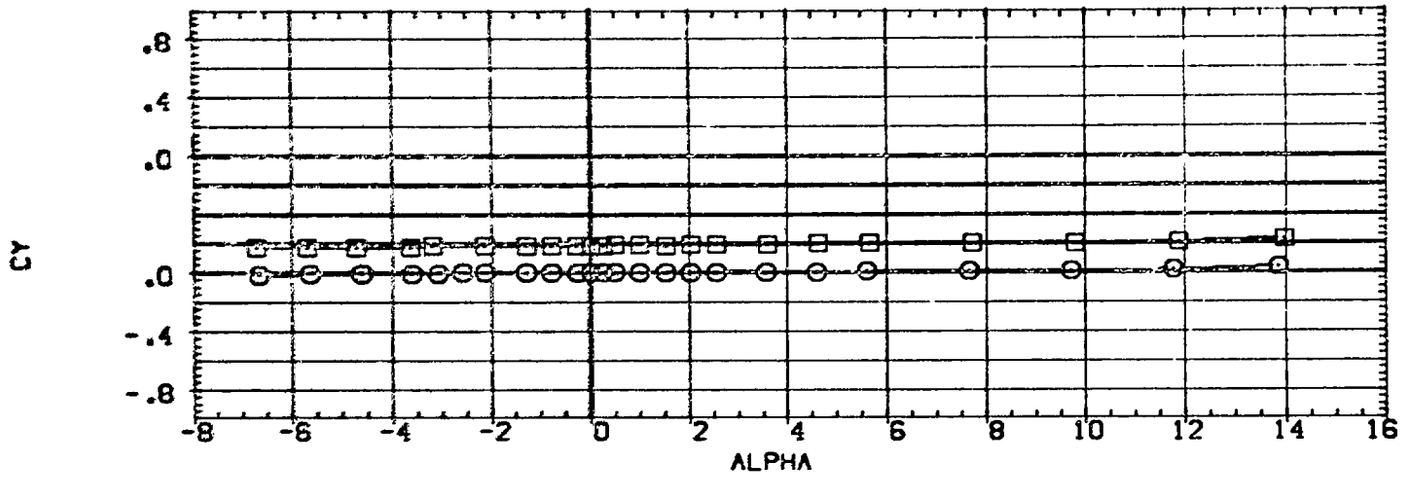
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

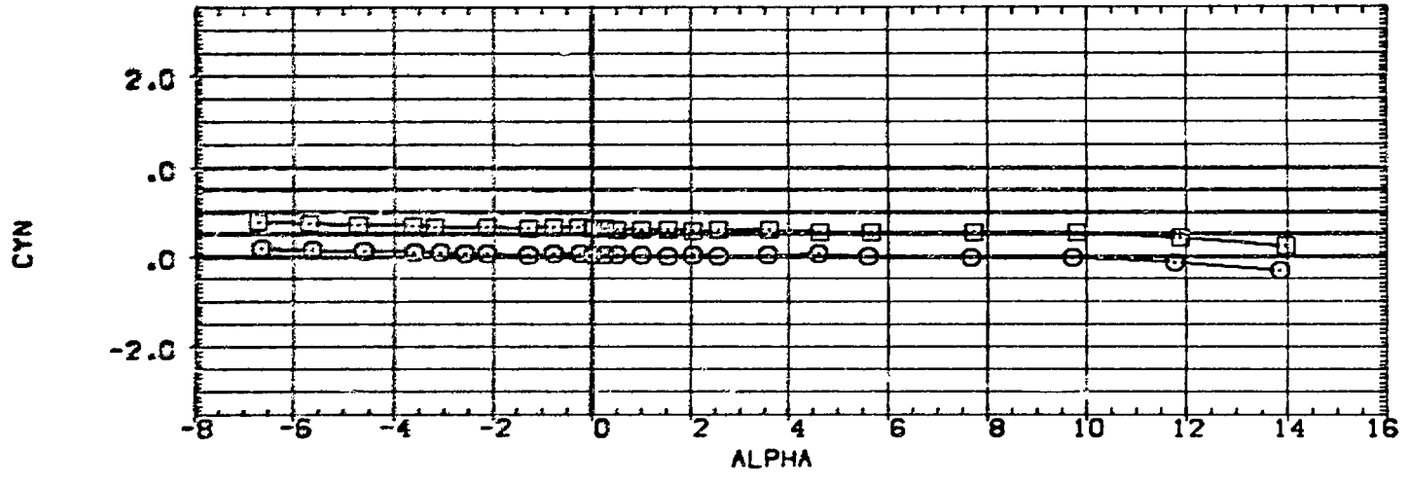
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3827)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	FRCORD	7.000
□	.603	LAMBDA	.000	THETA	112.500
		CR/D	1.750	B/2D	.850

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





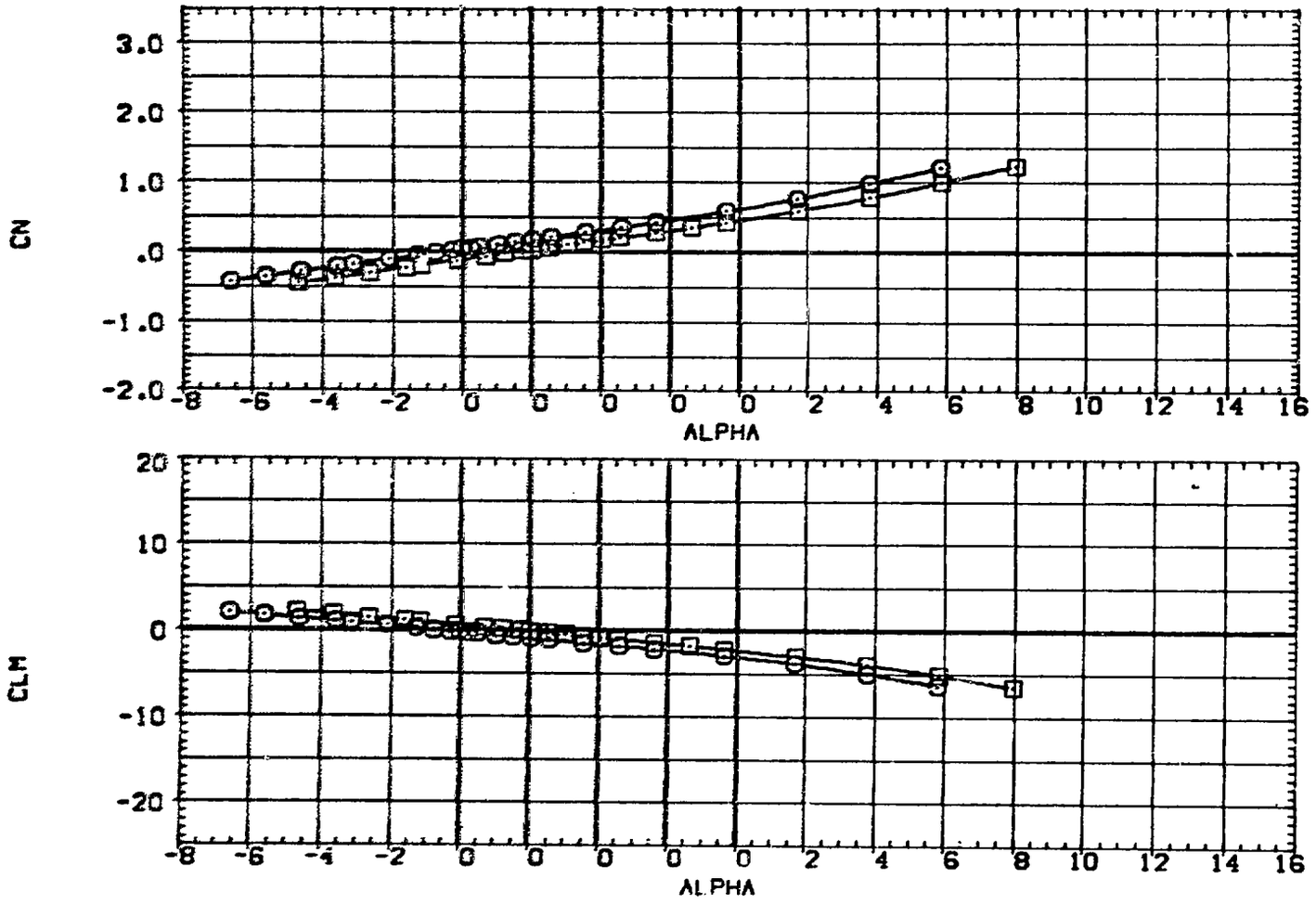
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B28)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCSRD	7.000
□	.602	LAMBDA	.000	THETA	112.500
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



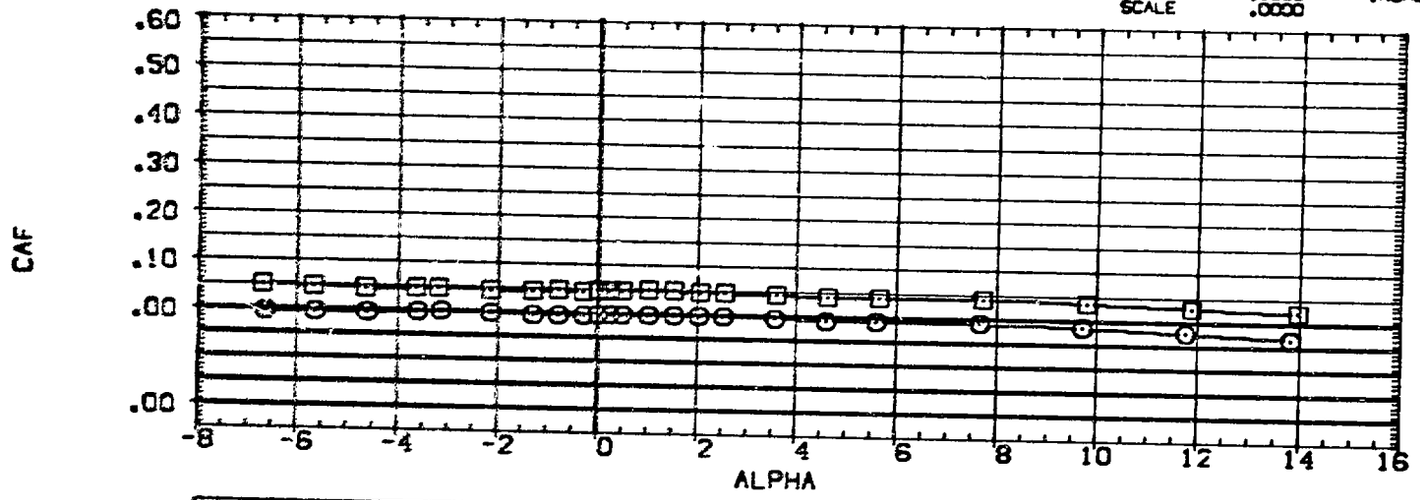
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

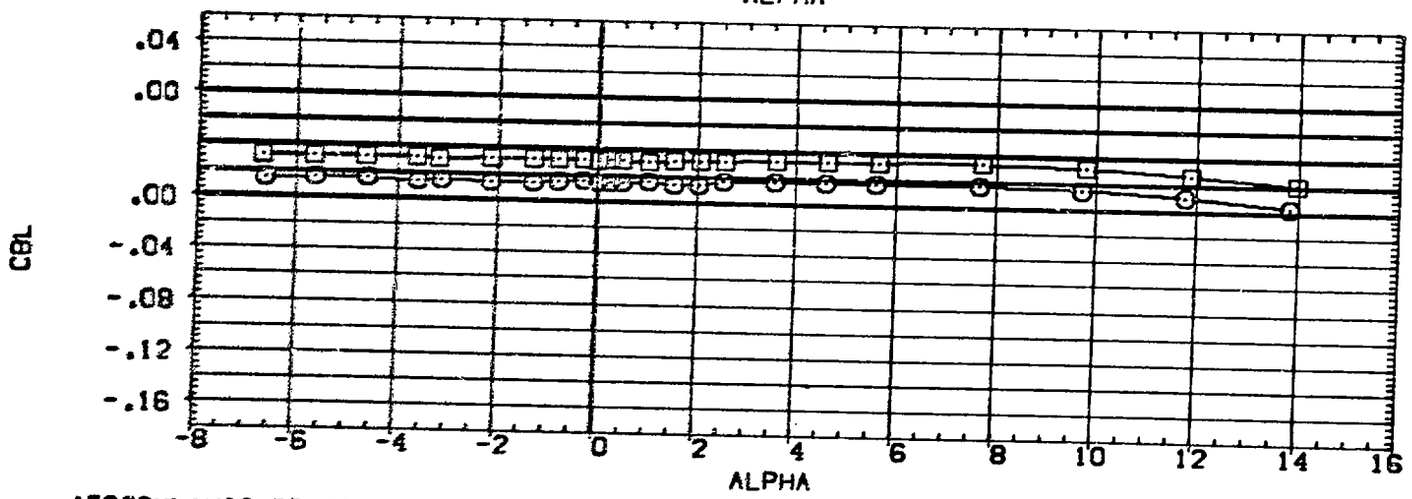
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B28)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.503	PHI	45.000	PROBE	7.000
	.602	LAMBDA	.000	THETA	112.500
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5630	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





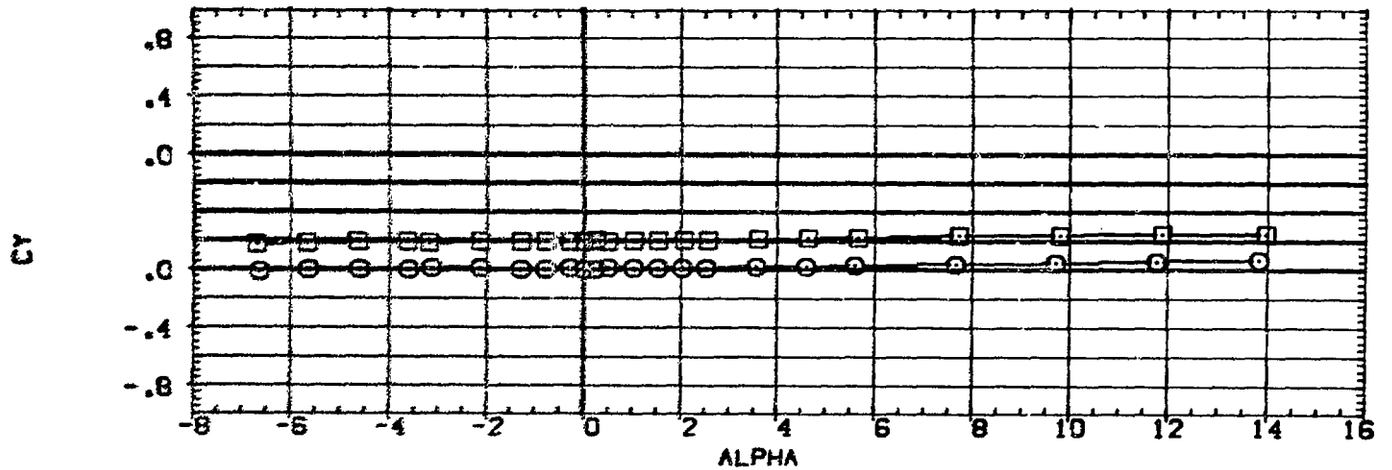
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

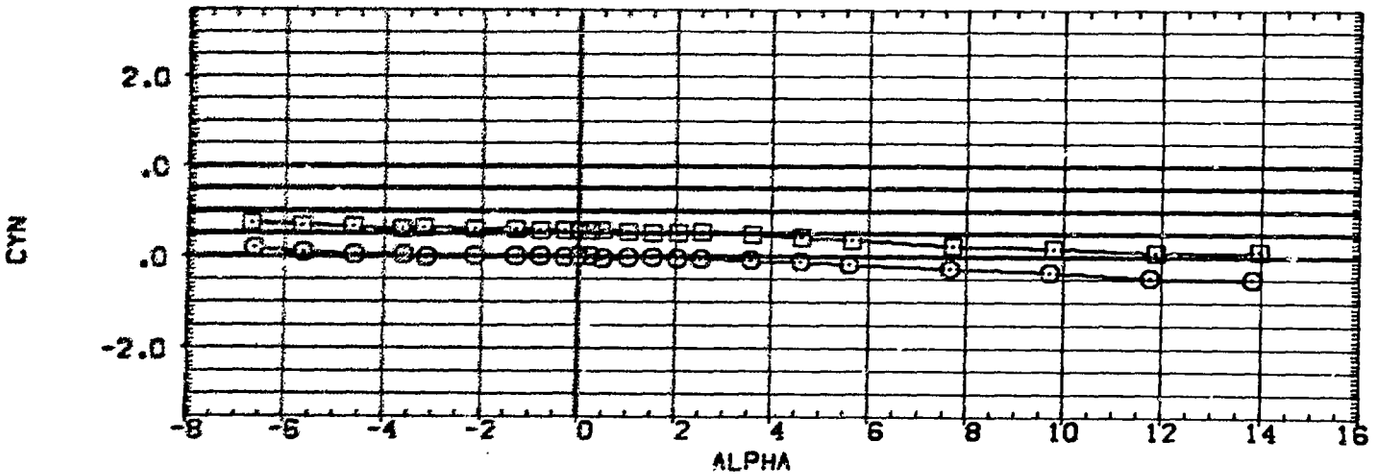
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B28)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCORD	7.000
□	.602	LAMBDA	.000	THETA	112.500
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





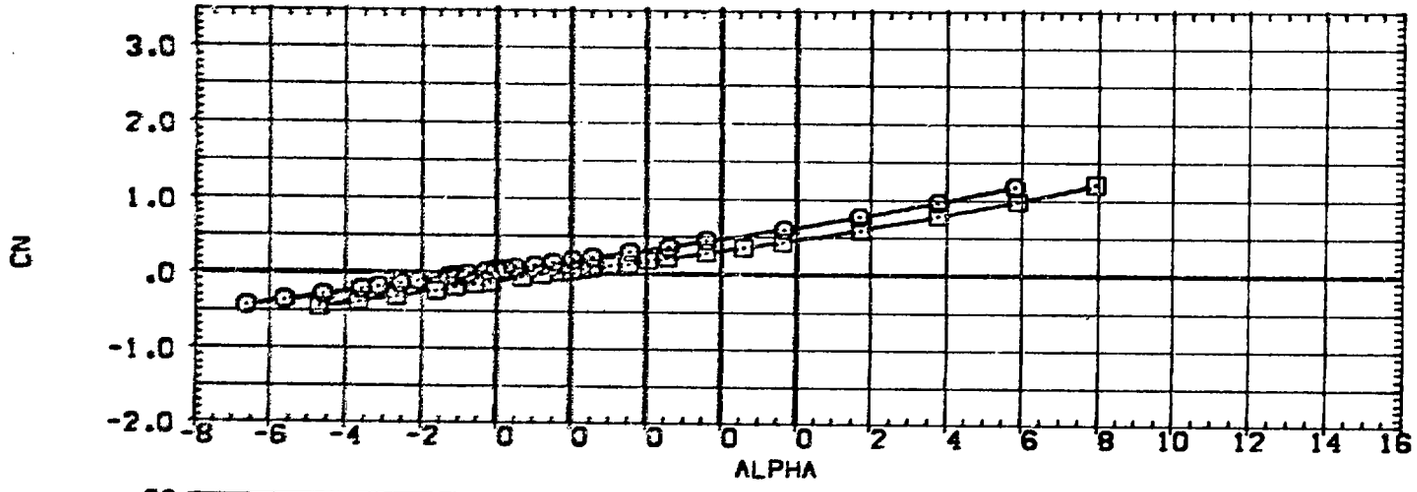
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

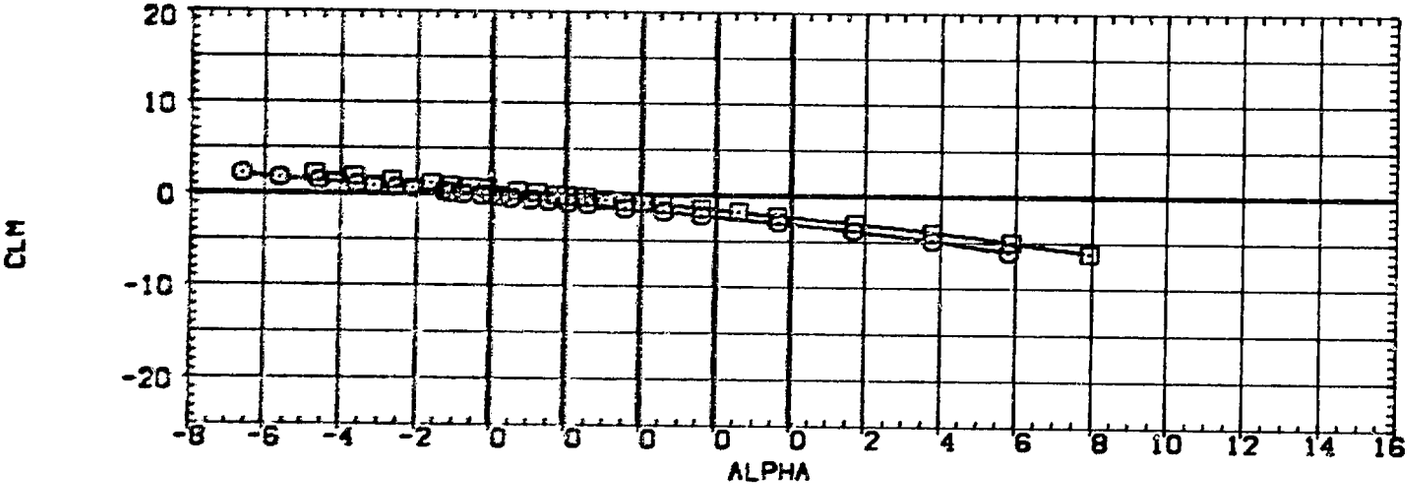
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3829)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.503	PHI	67.500	FRORD	7.000
○	.604	LAMBDA	.000	YMETA	112.500
		CR/D	1.750	B/2C	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





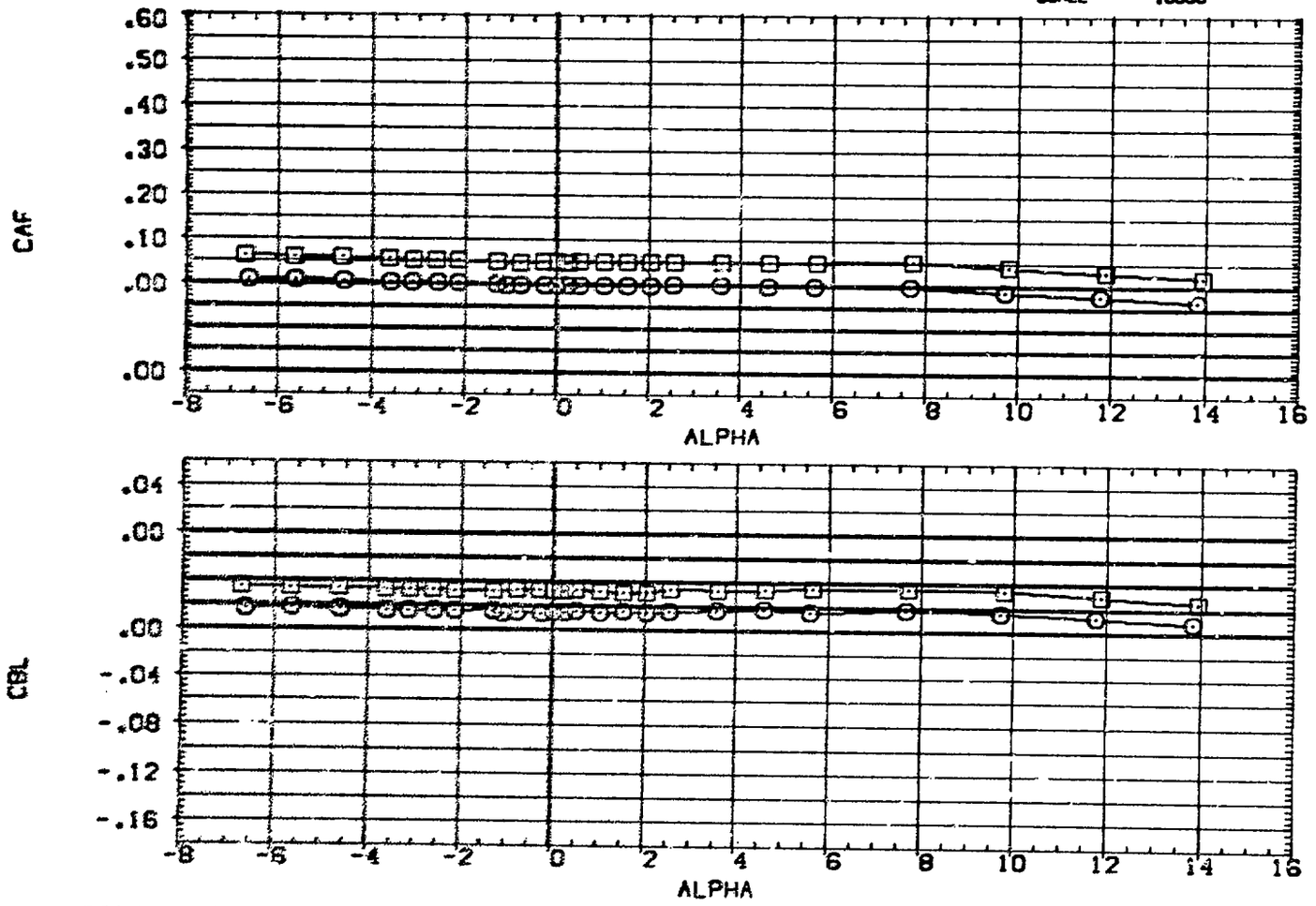
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B29)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.503	PHI	67.500	FRCORD	7.000
□	.601	LAMBDA	.000	THETA	112.500
		CR/D	1.750	B/2D	.660

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



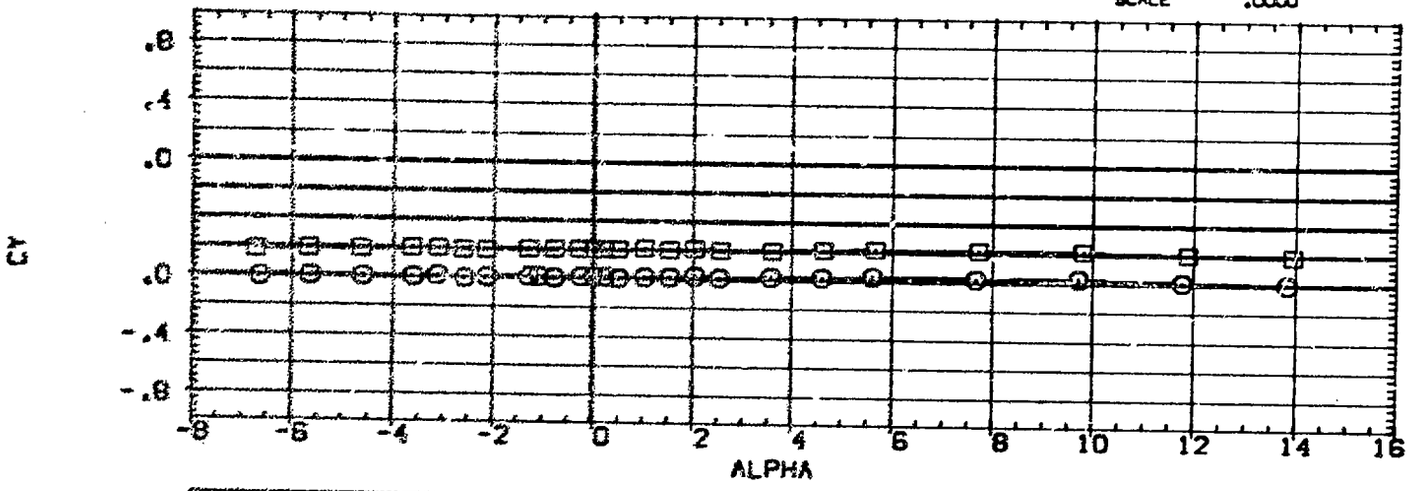
AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

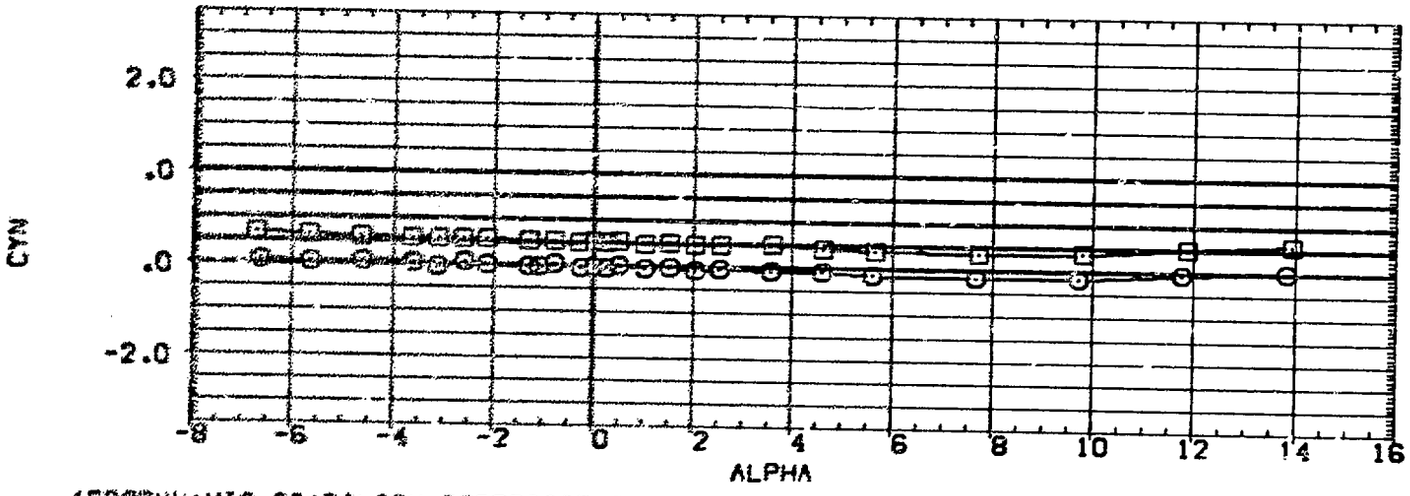
AEDC TC 273 WRAPAROUND FIN, B1F1 (AX3B29)

SYMBOL	RADIUS	PARAMETRIC VALUES			
□	.503	PHI	67.500	PHICORD	7.000
□	.604	LAMBDA	.000	THETA	112.500
		CR/D	1.750	B/2D	.660

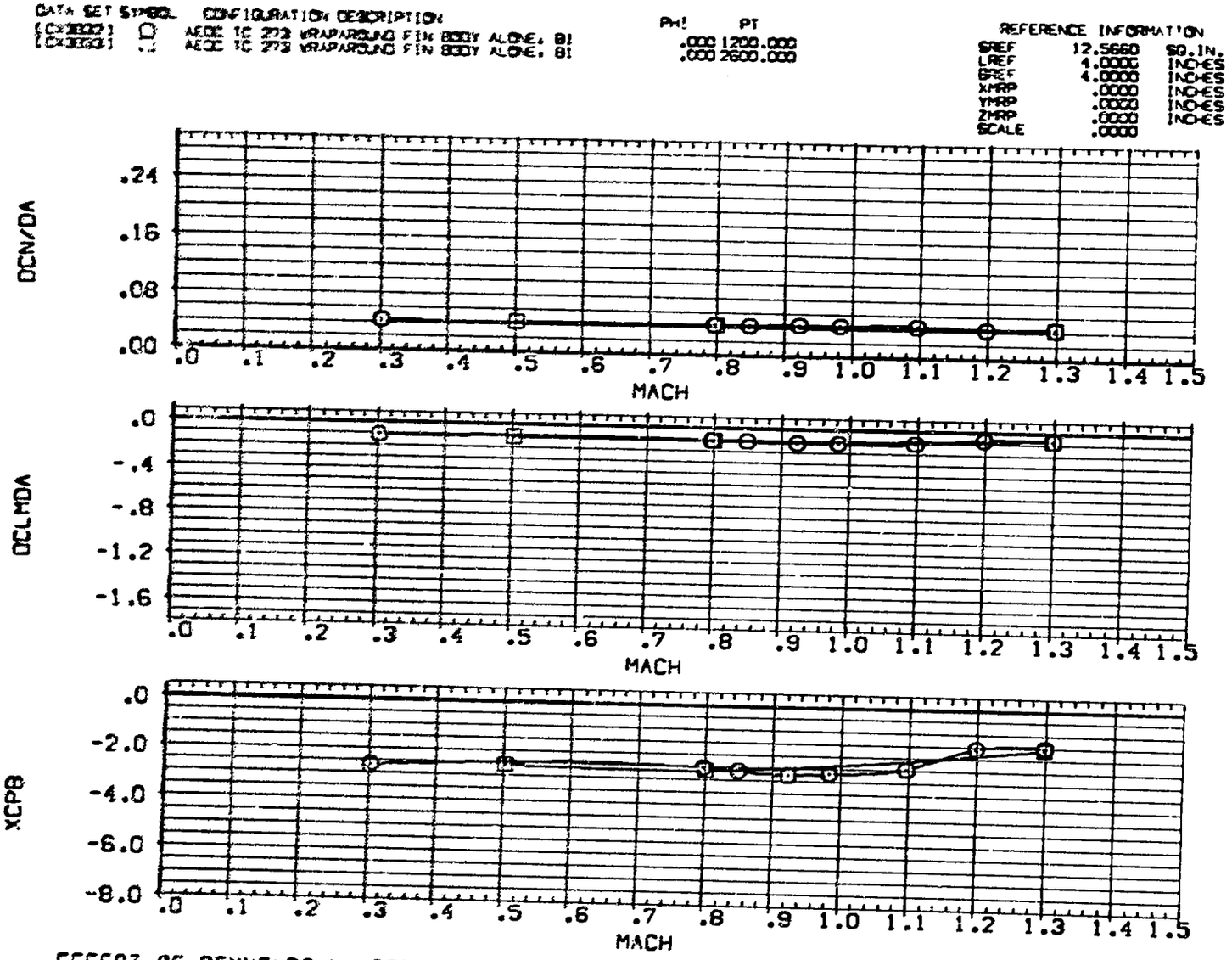
REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





AERODYNAMIC STABILITY COEFFICIENTS - CR/D=1.75, THETA = 112.5

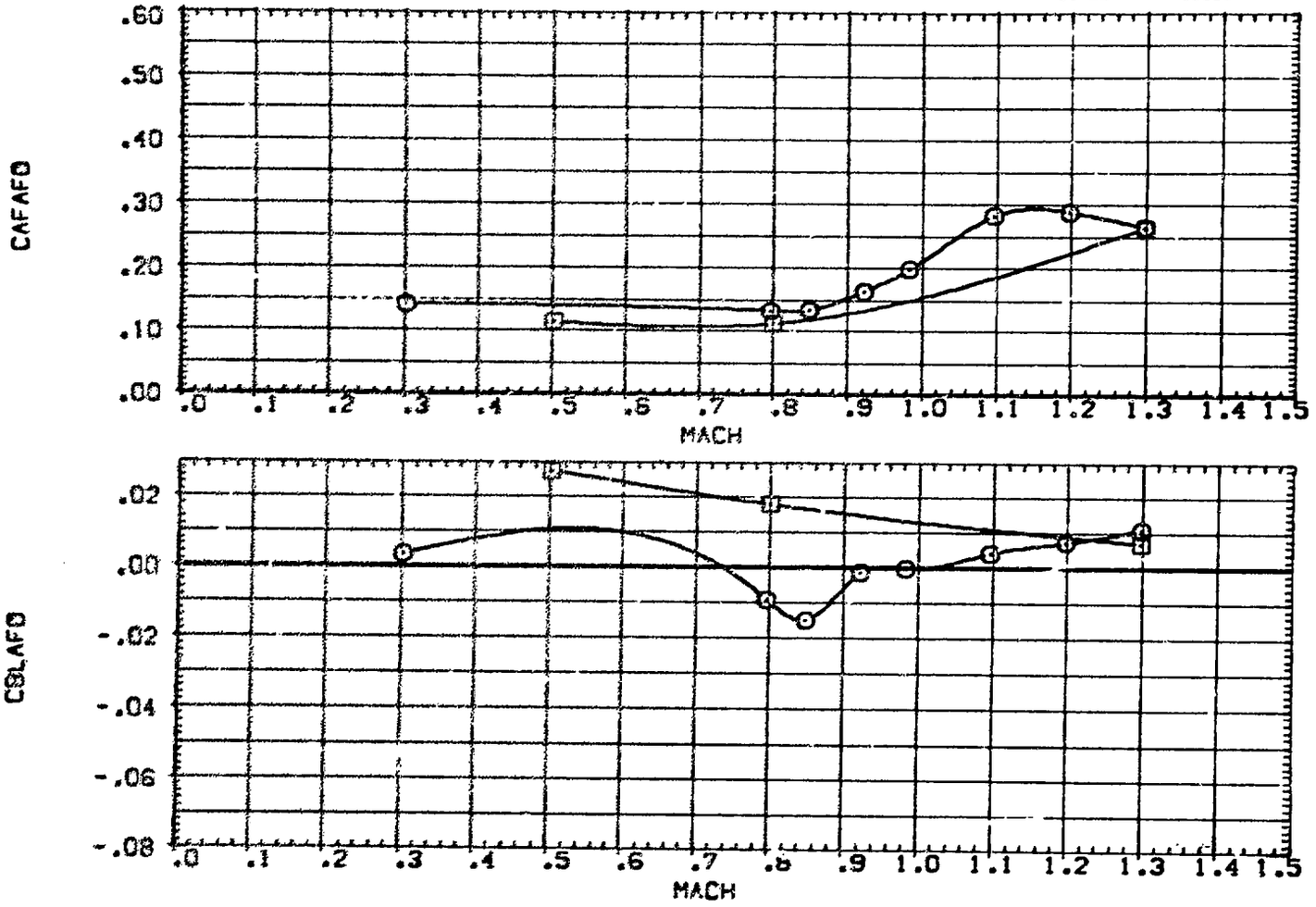


EFFECT OF REYNOLDS NUMBER - BODY ALONE AERODYNAMIC STABILITY

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	PT
[C43032]	O	AEDC TC 273 WRAP-AROUND FIN BODY ALONE- B1	.000	1200.000
[C43033]		AEDC TC 273 WRAP-AROUND FIN BODY ALONE, B1	.000	2600.000

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

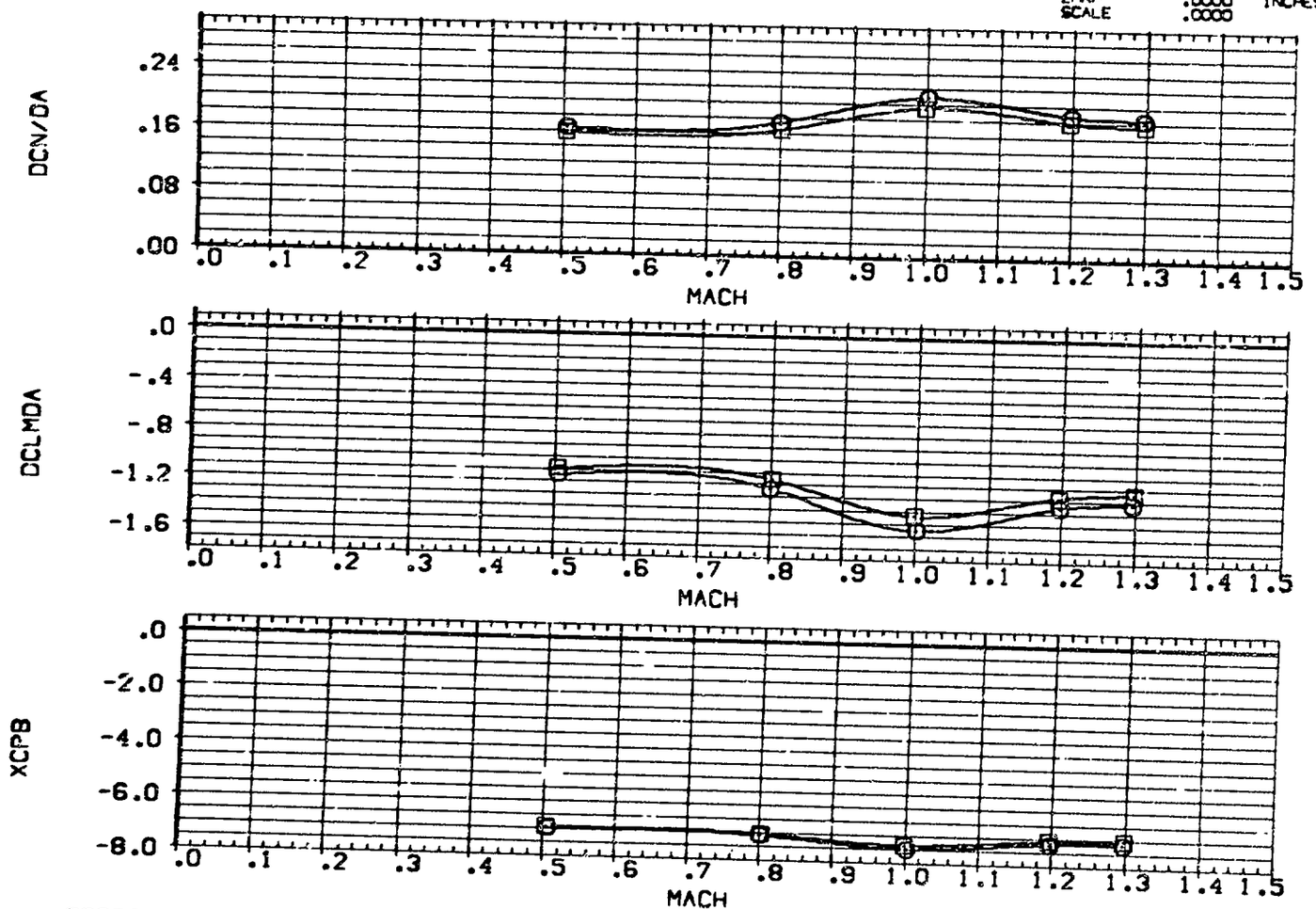


EFFECT OF REYNOLDS NUMBER - BODY ALONE AERODYNAMIC STABILITY

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX38CS)	○	AEDC IC 273 WRAPAROUND FIN, B1F1
(CX3830)	□	AEDC IC 273 WRAPAROUND FIN, 32F1

PHI	CR/D	LAMBDA	THETA
.000	1.750	.000	.000
.000	1.750	.000	.000

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

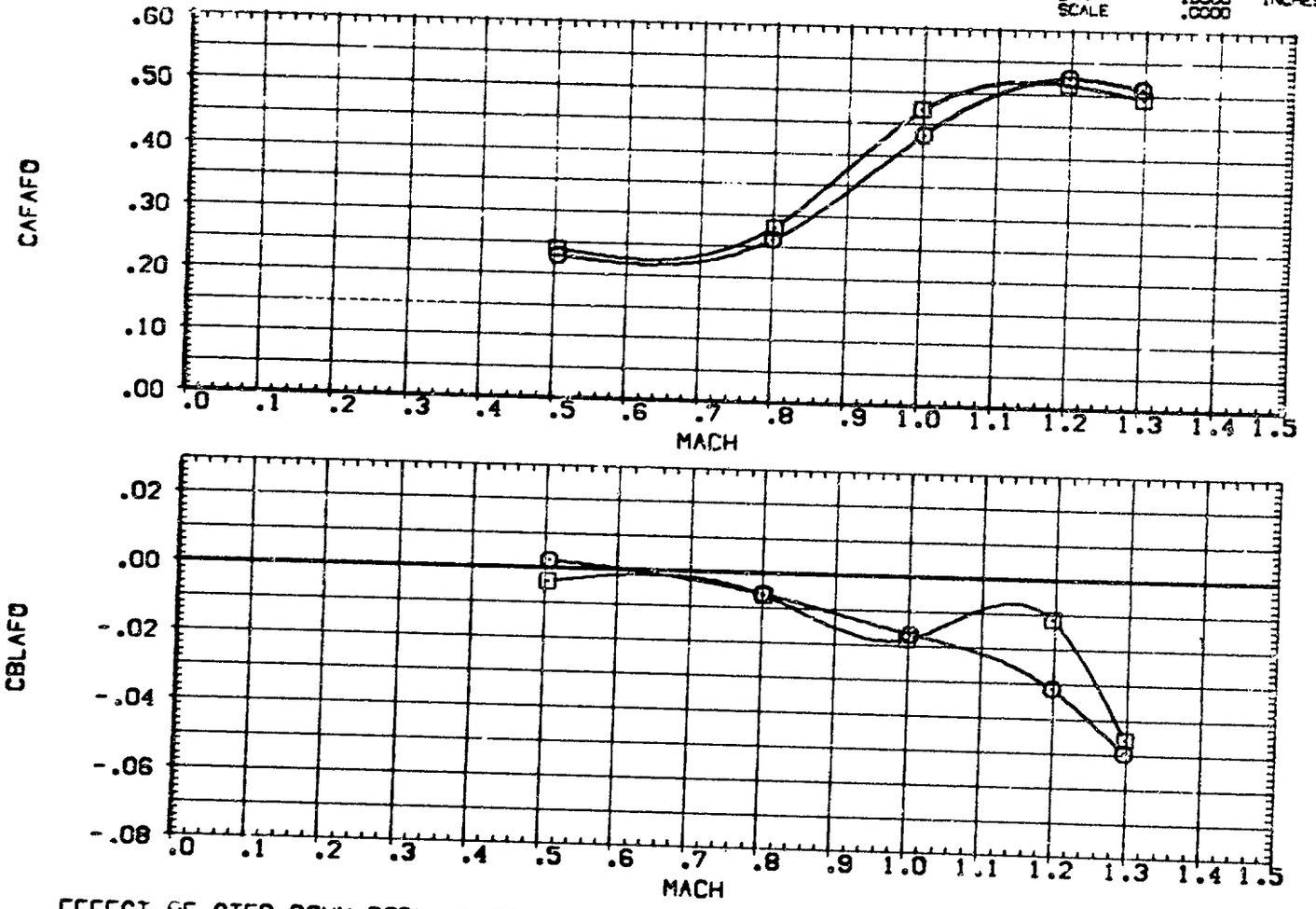


EFFECT OF STEP DOWN BODY, THETA = 0.0

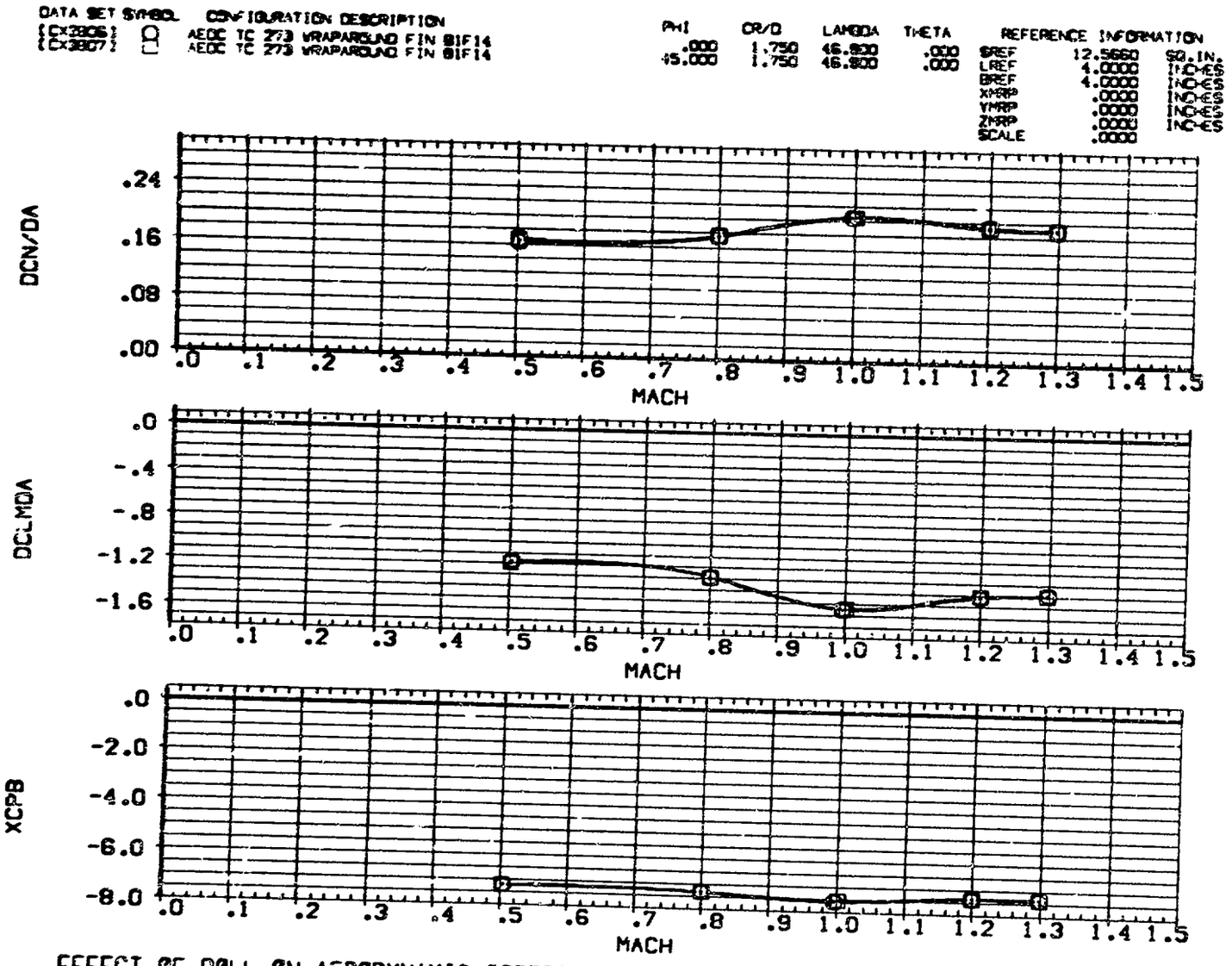
DATA SET SYMBOL		CONFIGURATION DESCRIPTION
[C×3805]	○	AEDC TC 273 WRAPAROUND FIN, 81F]
[C×3830]	□	AEDC TC 273 WRAPAROUND FIN, 82F]

PHI	CR/D	LAMBDA	THETA
.000	1.750	.000	.000
.000	1.750	.000	.000

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF STEP DOWN BODY, THETA = 0.0

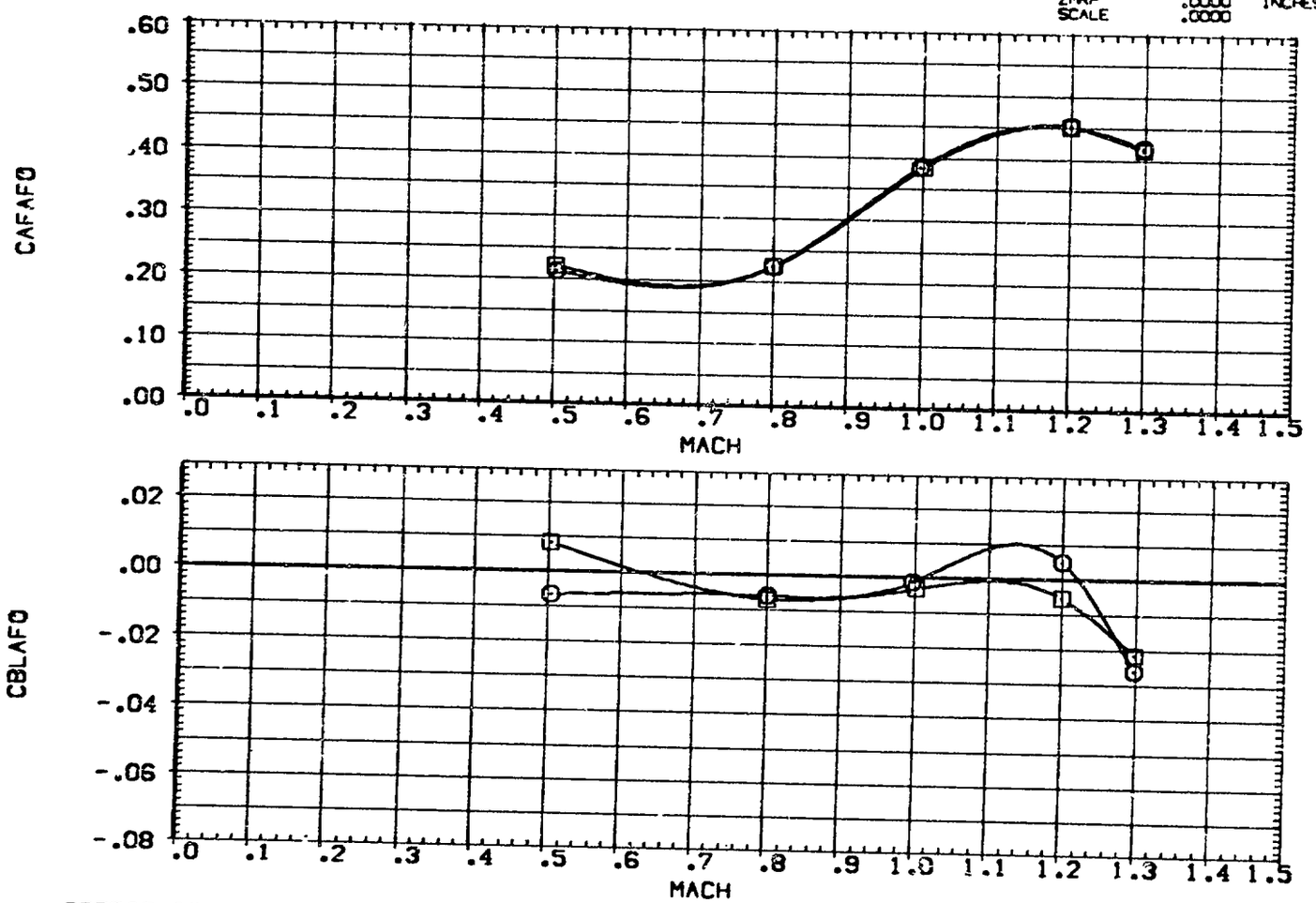


EFFECT OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, LAMBDA = 46.9 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3806]	○	AEDC TC 273 WRAPAROUND FIN BIF14
[CX3807]	□	AEDC TC 273 WRAPAROUND FIN BIF14

PHI	CR/D	LAMBDA	THETA
.000	1.750	46.900	.000
45.000	1.750	46.900	.000

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

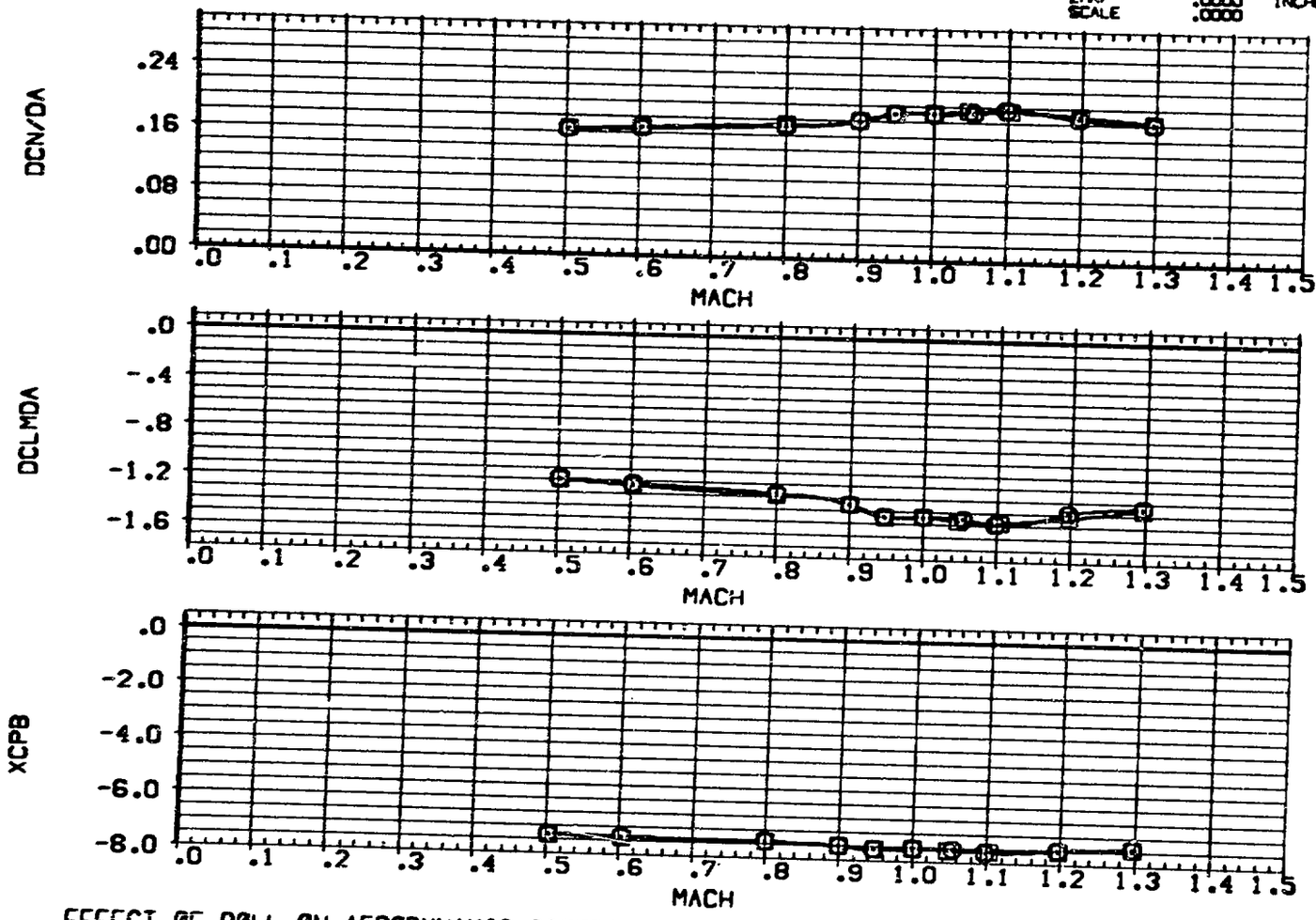


EFFECT OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, LAMBDA = 46.9 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3808]	○	AEDC TC 273 WRAPAROUND FIN @1F17
[CX3809]	□	AEDC TC 273 WRAPAROUND FIN @1F17

PHI	CR/D	LAMBDA	THETA
.000	1.750	60.000	.000
45.000	1.750	60.000	.000

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

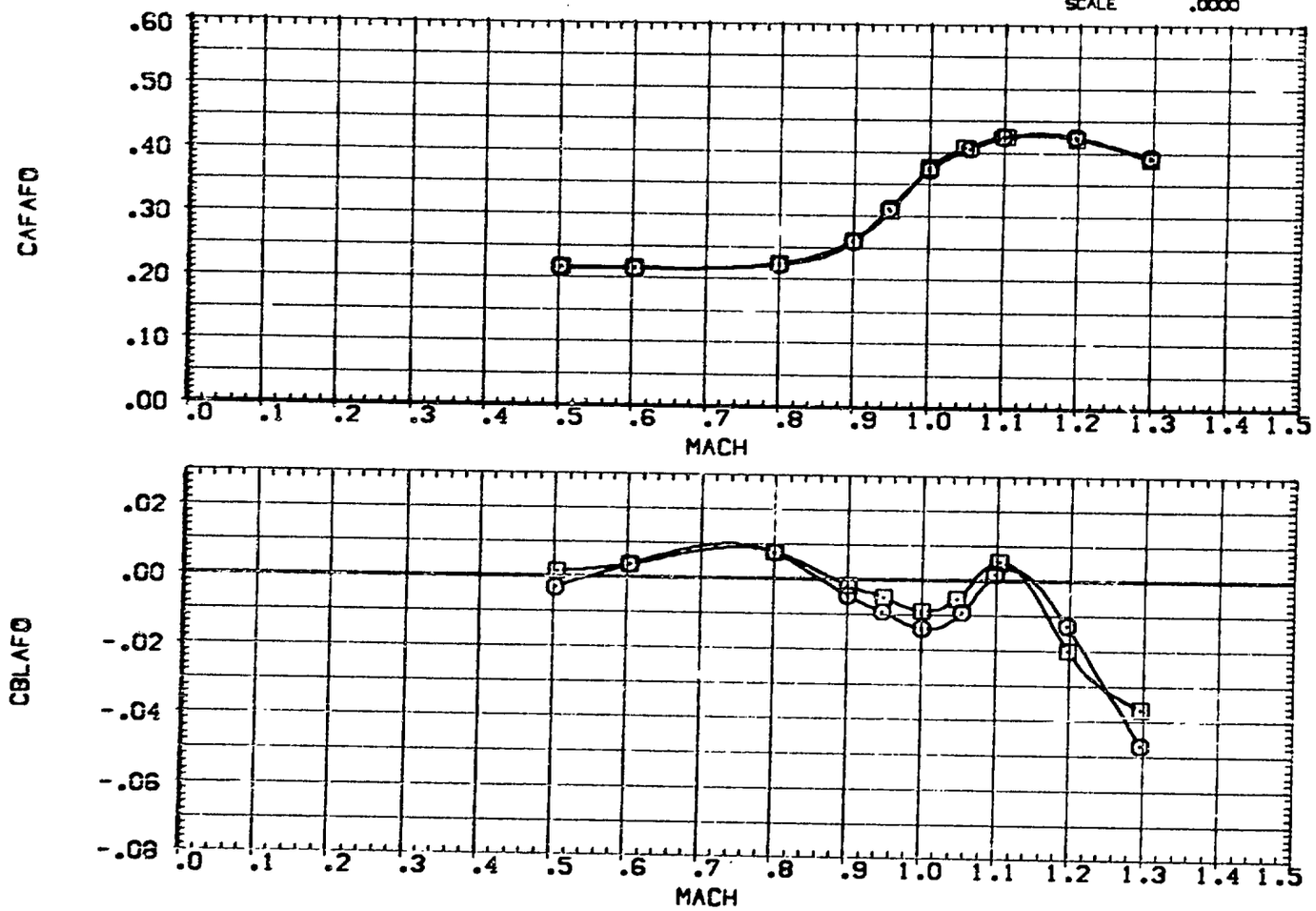


EFFECT OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, LAMBDA = 60.0 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3808]	○	AEDC TC 273 WRAPAROUND FIN B1F17
[CX3809]	□	AEDC TC 273 WRAPAROUND FIN B1F17

PHI	CR/D	LAMBDA	THETA
.000	1.750	60.000	.000
45.000	1.750	60.000	.000

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

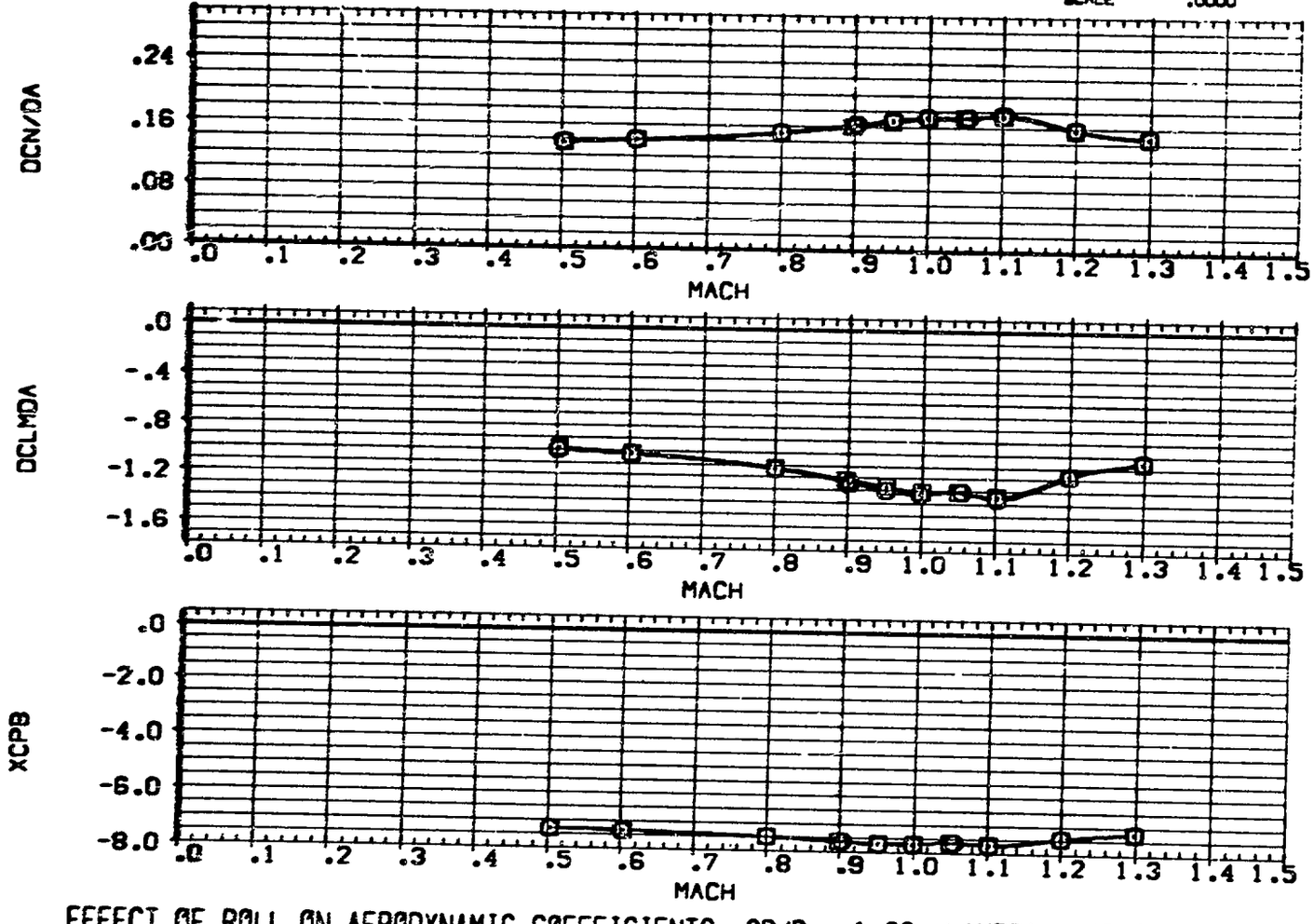


EFFECT OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, LAMBDA = 60.0 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3810]	○	AEDC TC 273 WRAPAROUND FIN BIF18
[CX3811]	□	AEDC TC 273 WRAPAROUND FIN BIF18

PHI	CR/D	LAMBDA	THETA
.000	1.000	46.900	.000
45.000	1.000	46.900	.000

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

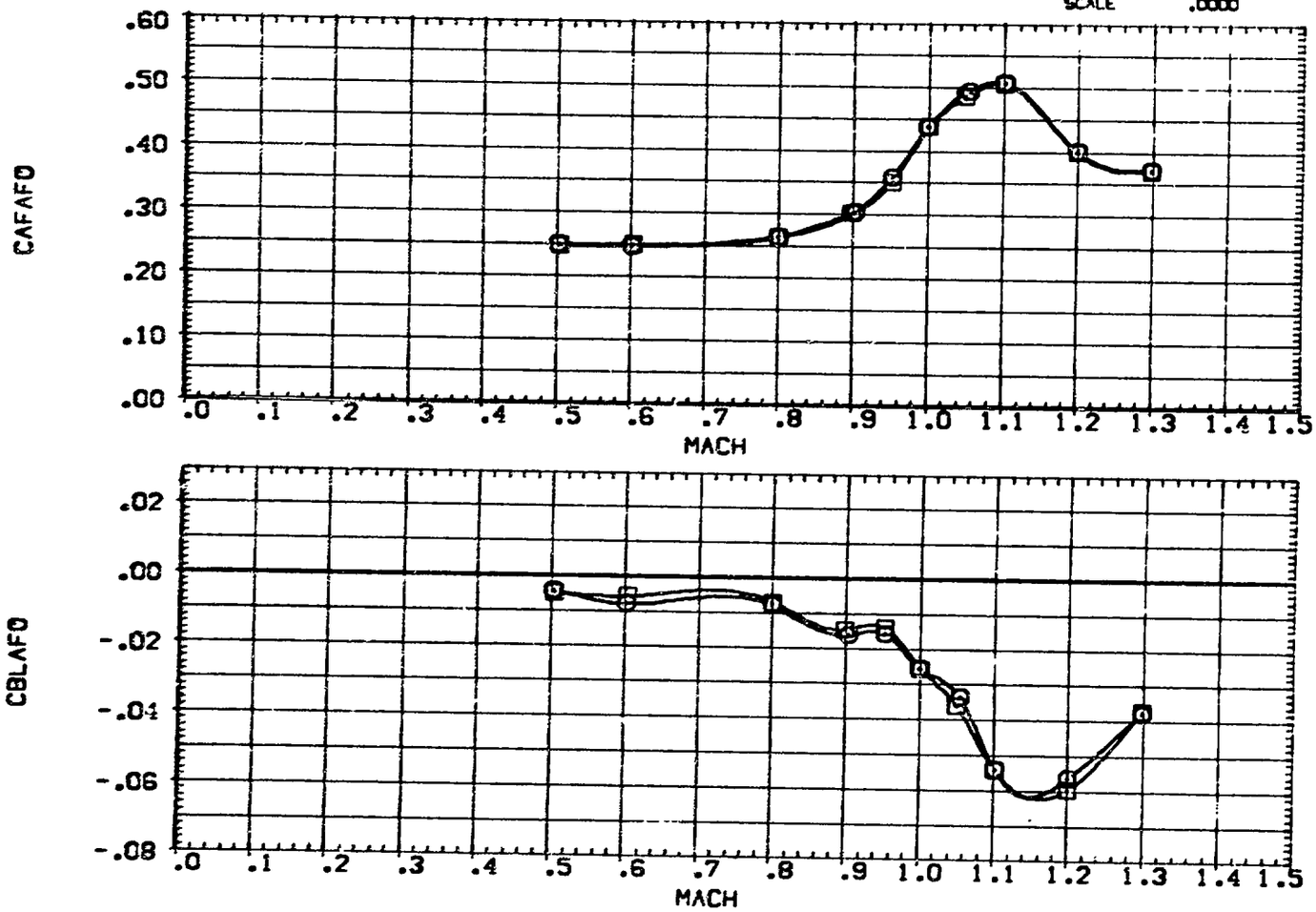


EFFECT OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.00, LAMBDA = 46.9 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3810)	O	AEDC TC 273 WRAPAROUND FIN BIF10
(CX3811)	□	AEDC TC 273 WRAPAROUND FIN BIF10

PHI	CR/D	LAMBDA	THETA
.000	1.000	46.900	.000
45.000	1.000	46.900	.000

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

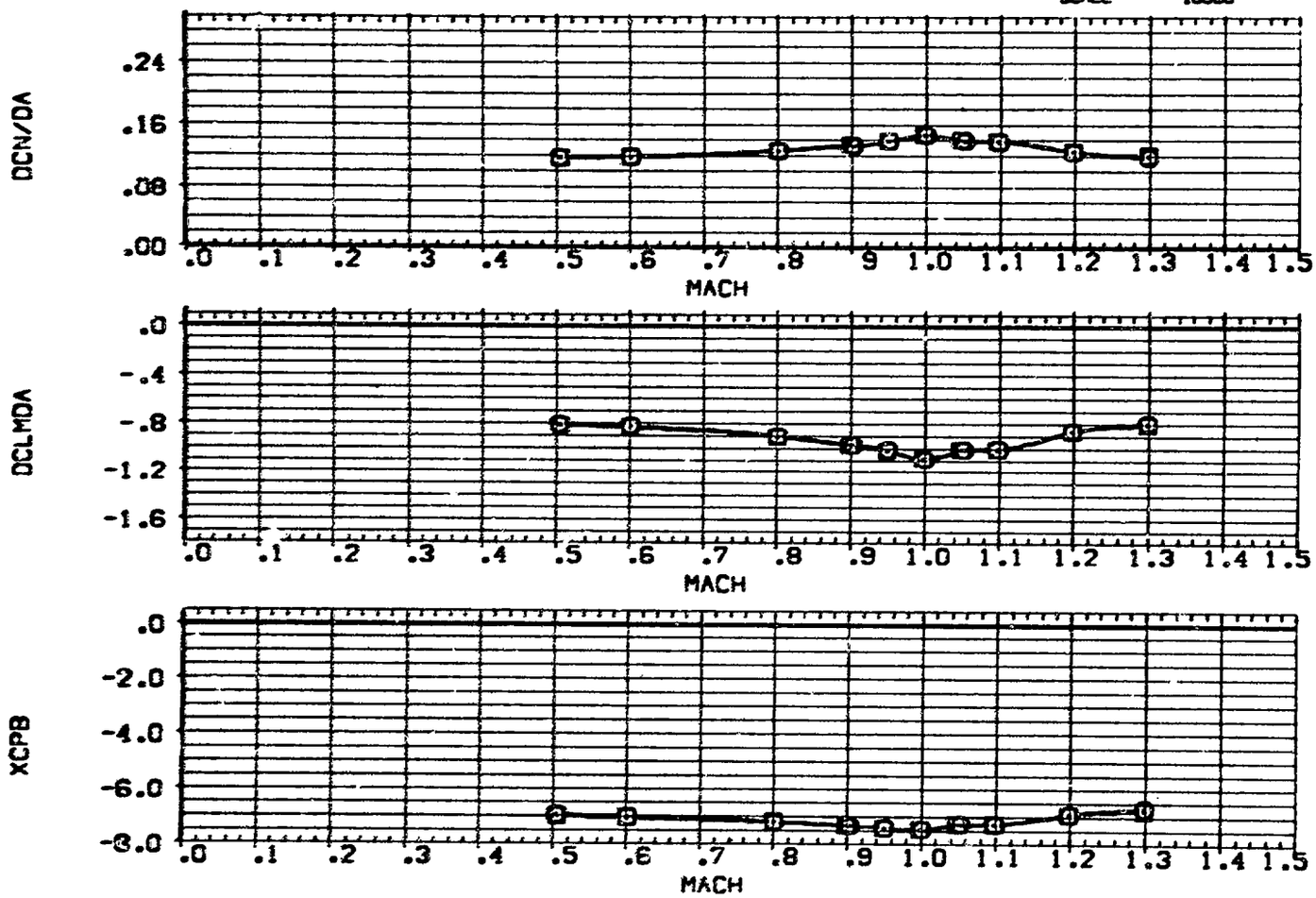


EFFECT OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.00, LAMBDA = 46.9 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	LAMBDA	THETA
(CX3812)	○	AEDC TC 273 VRAPAROUND FIN BIF19	.000	1.000	57.300	.000
(CX3813)	□	AEDC TC 273 VRAPAROUND FIN BIF19	45.000	1.000	57.300	.000

REFERENCE INFORMATION

SREF	12.5680	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



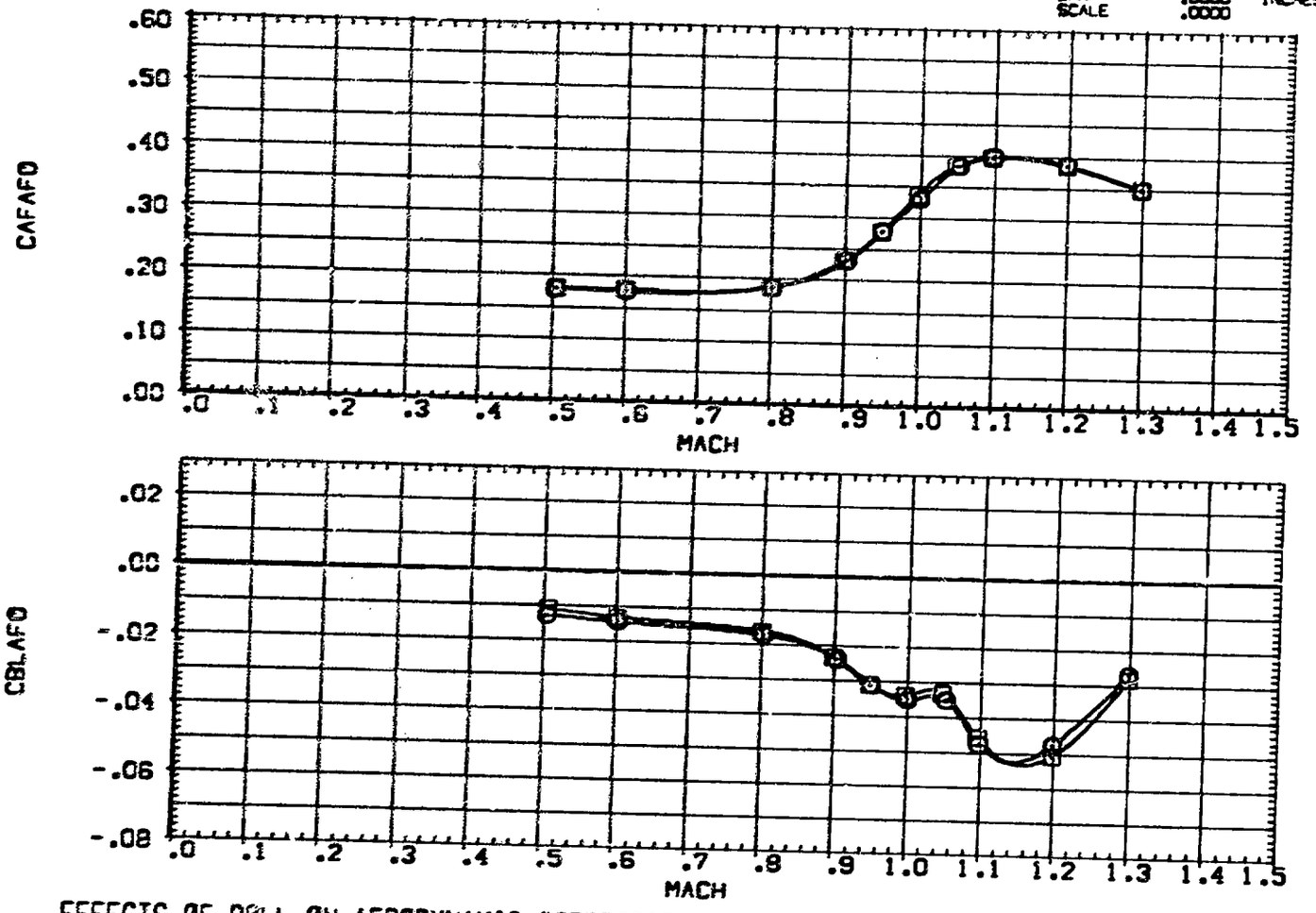
EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.0, LAMBDA = 57.3 DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[CX3812] ○	AEDC TC 273 YRAPAROUND FIN BIF19
[CX3813] □	AEDC TC 273 YRAPAROUND FIN BIF19

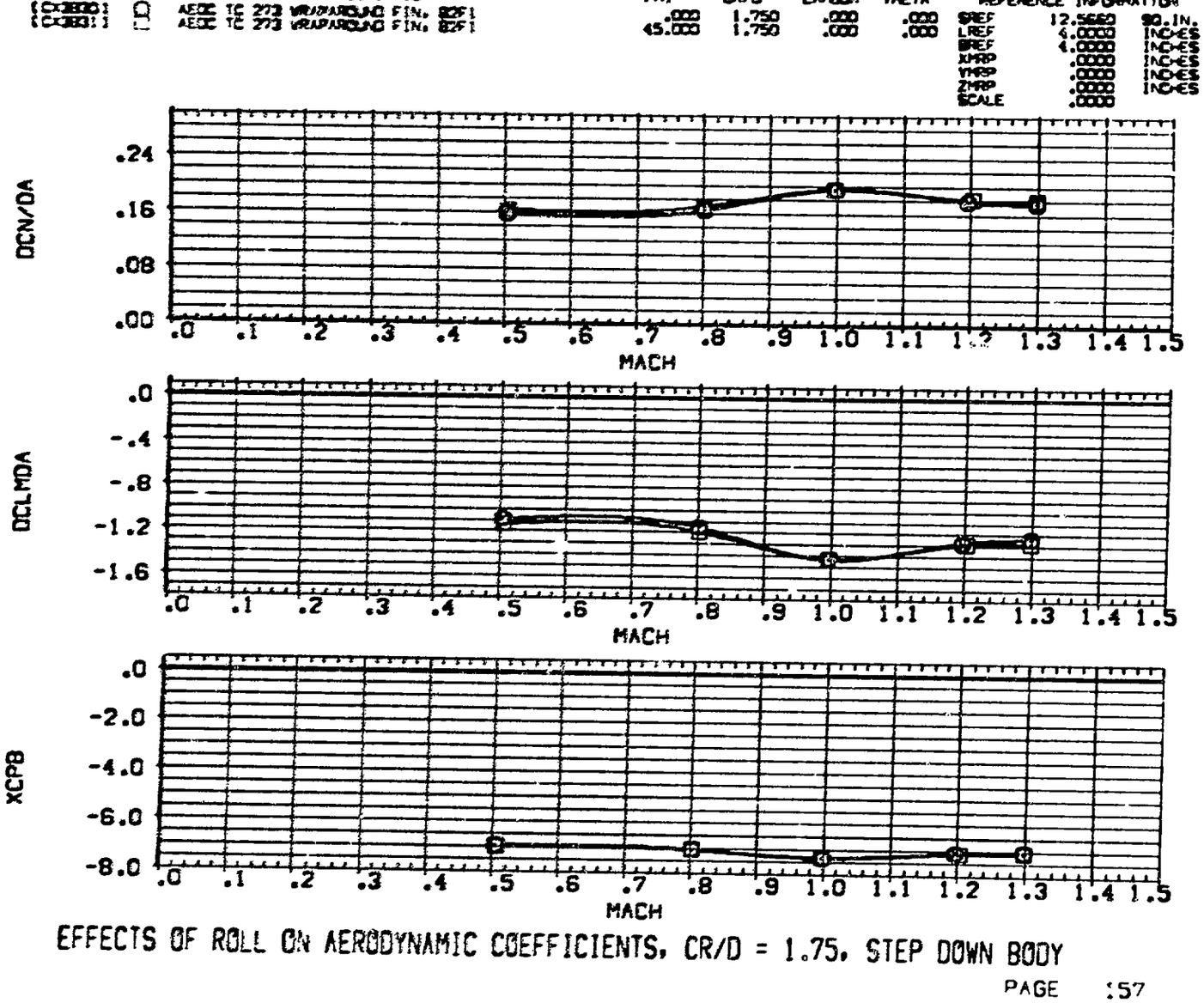
PHI	CR/D	LAMBDA	THETA
.000	1.000	57.300	.000
45.000	1.000	57.300	.000

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.0, LAMBDA = 57.3 DEGREES



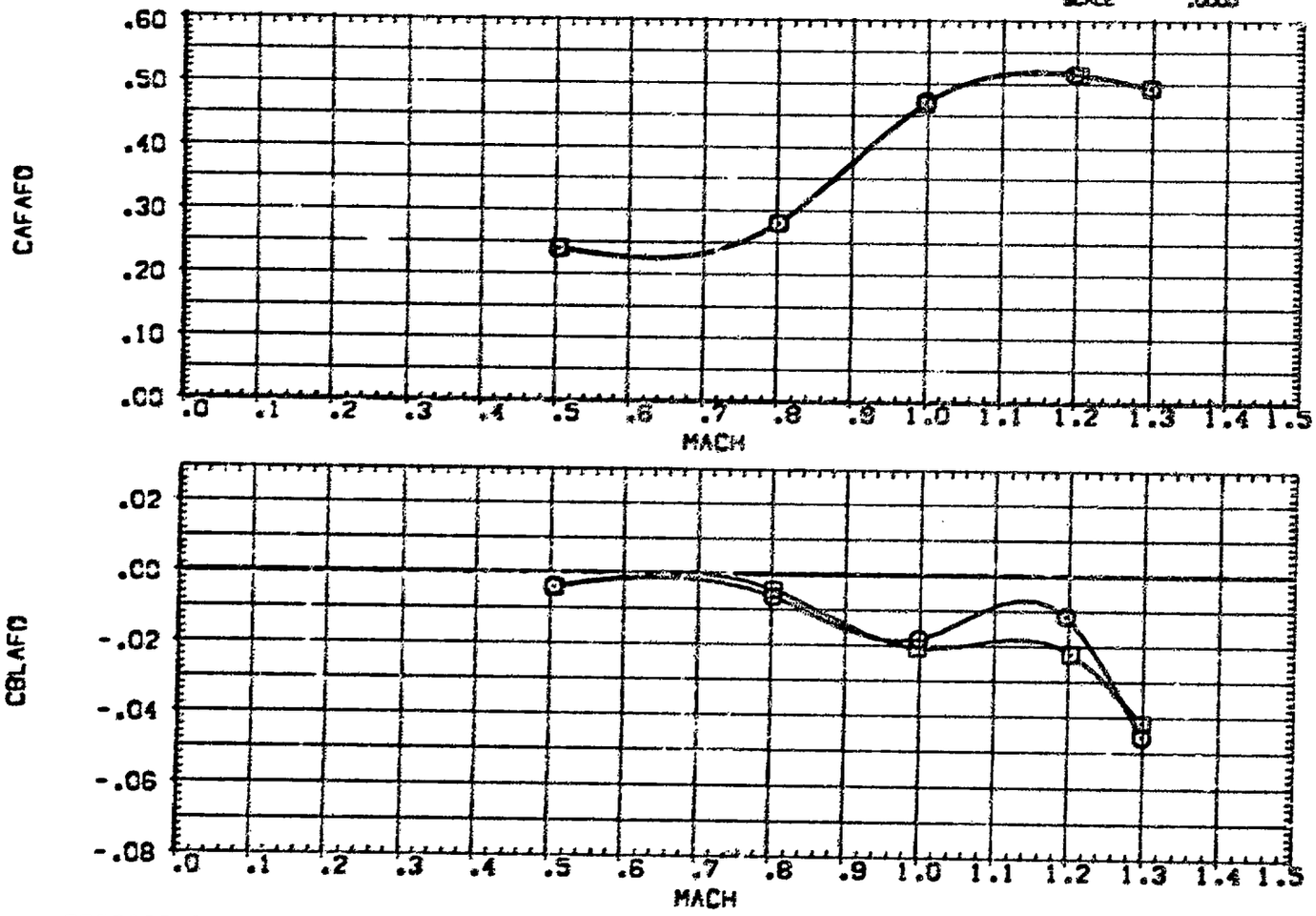
EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, STEP DOWN BODY

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	O	AEDC TC 273 WRAPAROUND FIN, 82F1
[illegible]	[illegible]	AEDC TC 273 WRAPAROUND FIN, 82F1

PHI	CR/D	LAMBDA	THETA
.000	1.750	.000	.000
45.000	1.750	.000	.000

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

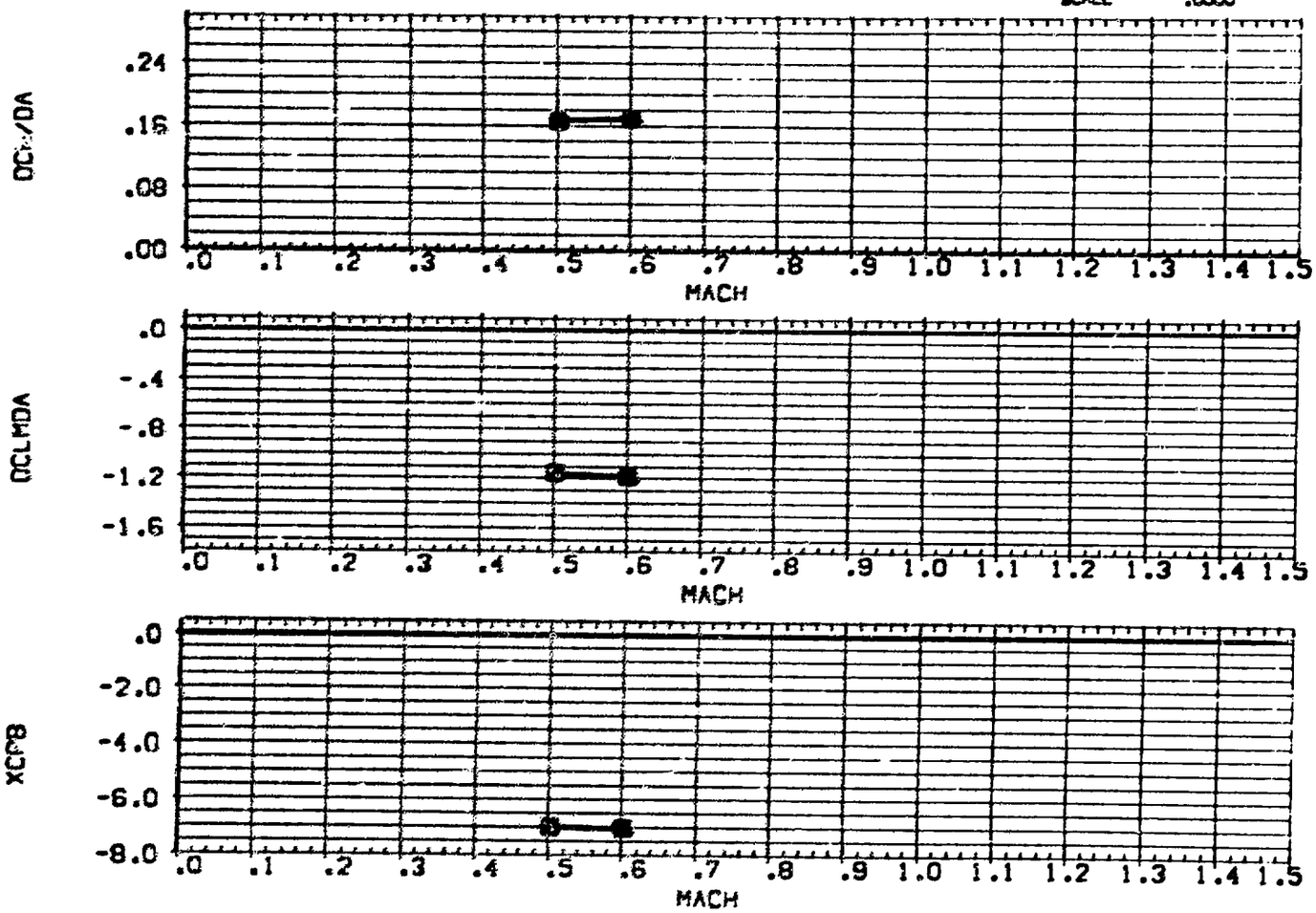


EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, STEP DOWN BODY

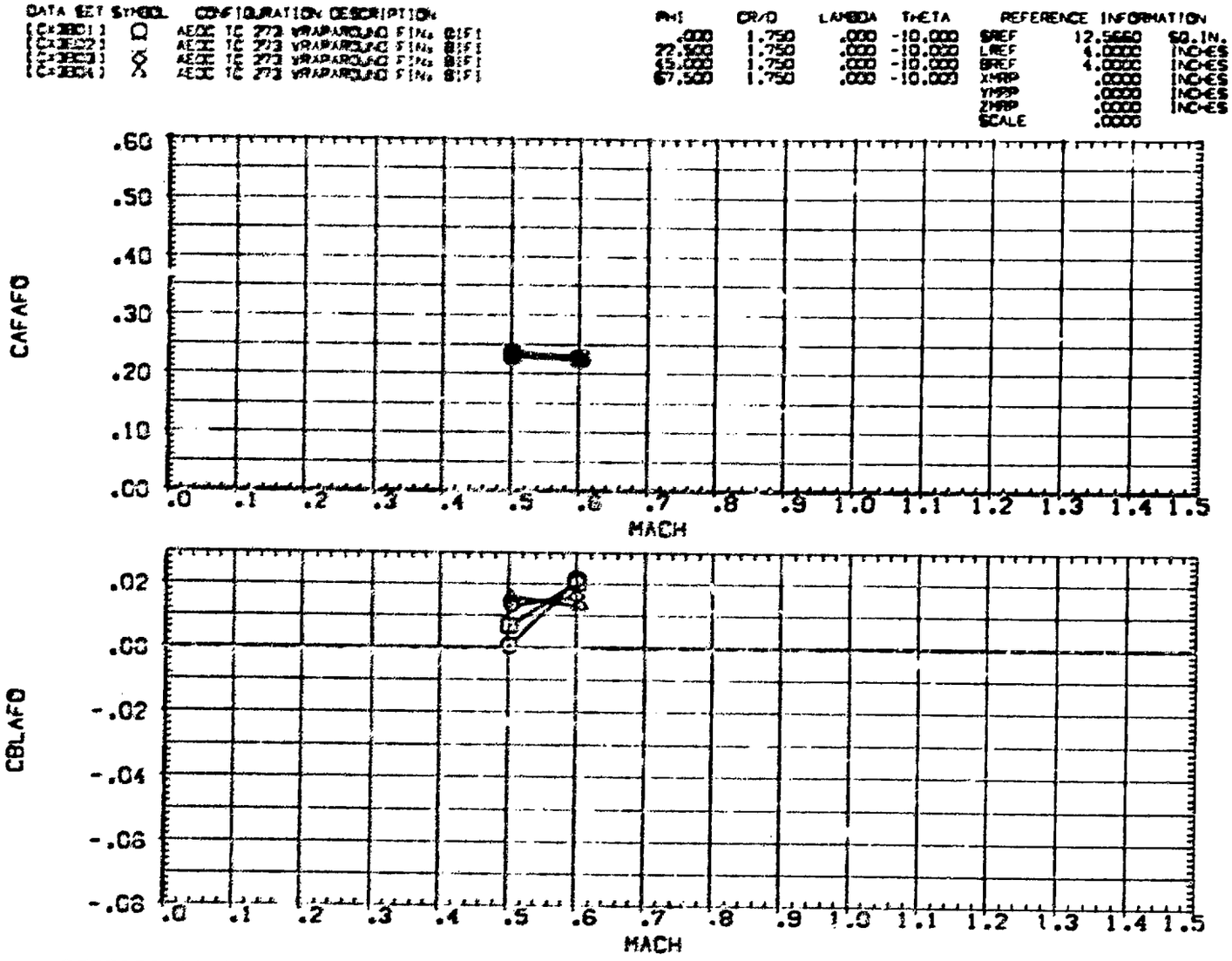
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	□	AEDC TC 273 WRAPAROUND FINS BIF1
[illegible]	◇	AEDC TC 273 WRAPAROUND FINS BIF1
[illegible]	△	AEDC TC 273 WRAPAROUND FINS BIF1
[illegible]	○	AEDC TC 273 WRAPAROUND FINS BIF1

PHI	CR/D	LAMBDA	THETA
.000	1.750	.000	-10.000
22.500	1.750	.000	-10.000
45.000	1.750	.000	-10.000
67.500	1.750	.000	-10.000

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA = -10 DEGREES

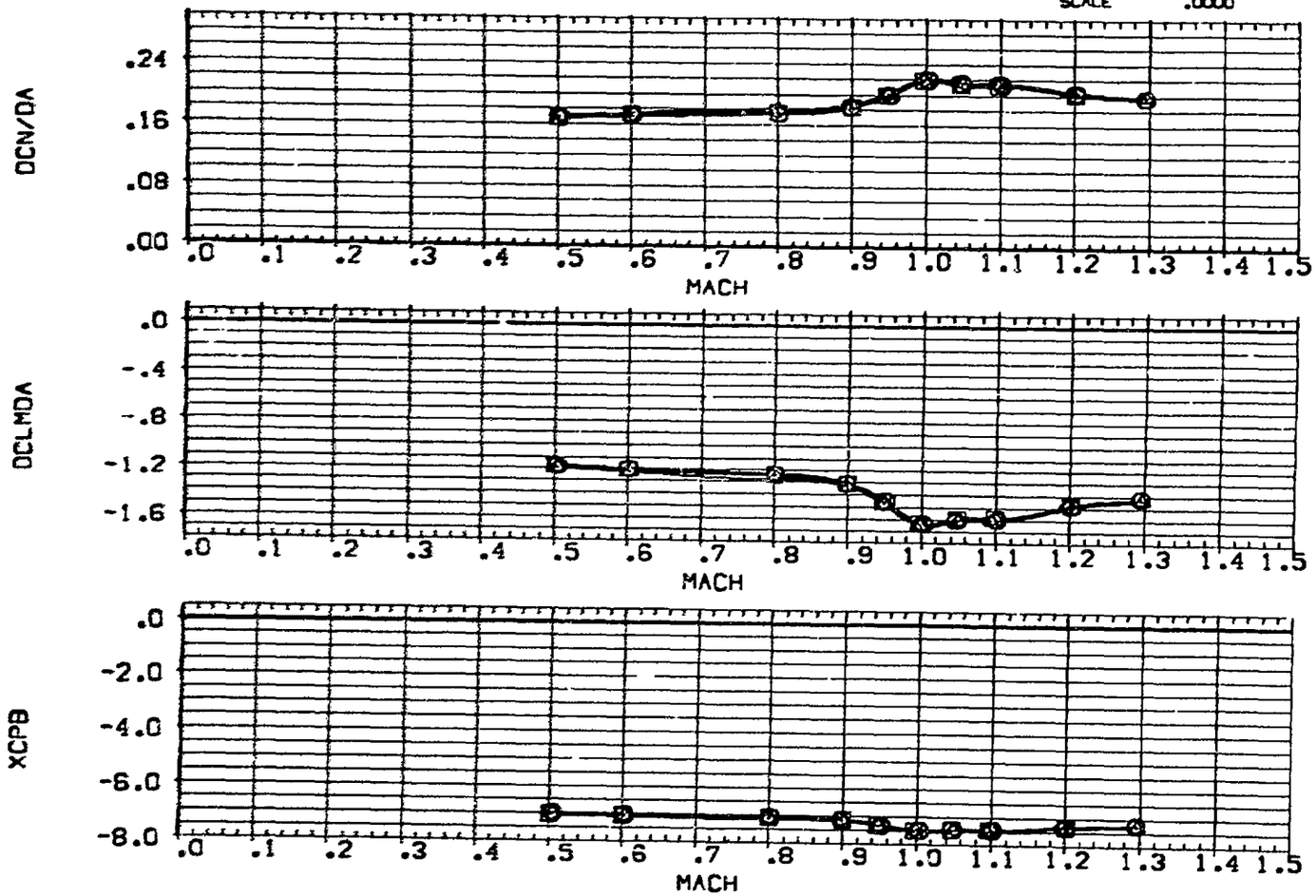


EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA = -10 DEGREES

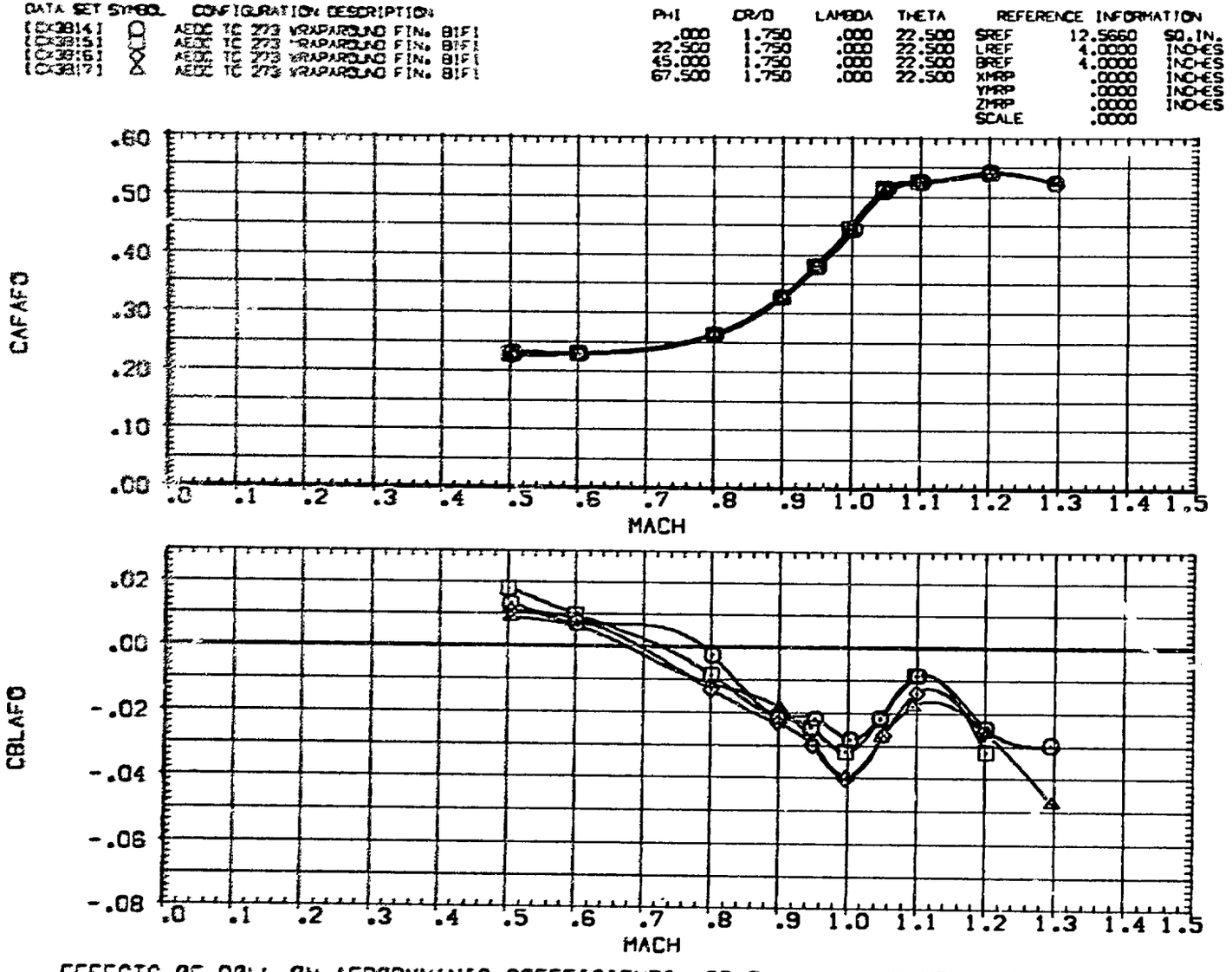
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[0x38:4]	□	AEDC TC 273 WRAPAROUND FIN, BIF1
[0x38:5]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
[0x38:6]	○	AEDC TC 273 WRAPAROUND FIN, BIF1
[0x38:7]	△	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	CR/D	LAMBDA	THETA
.000	1.750	.000	22.500
22.500	1.750	.000	22.500
45.000	1.750	.000	22.500
67.500	1.750	.000	22.500

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA = 22.5 DEGREES

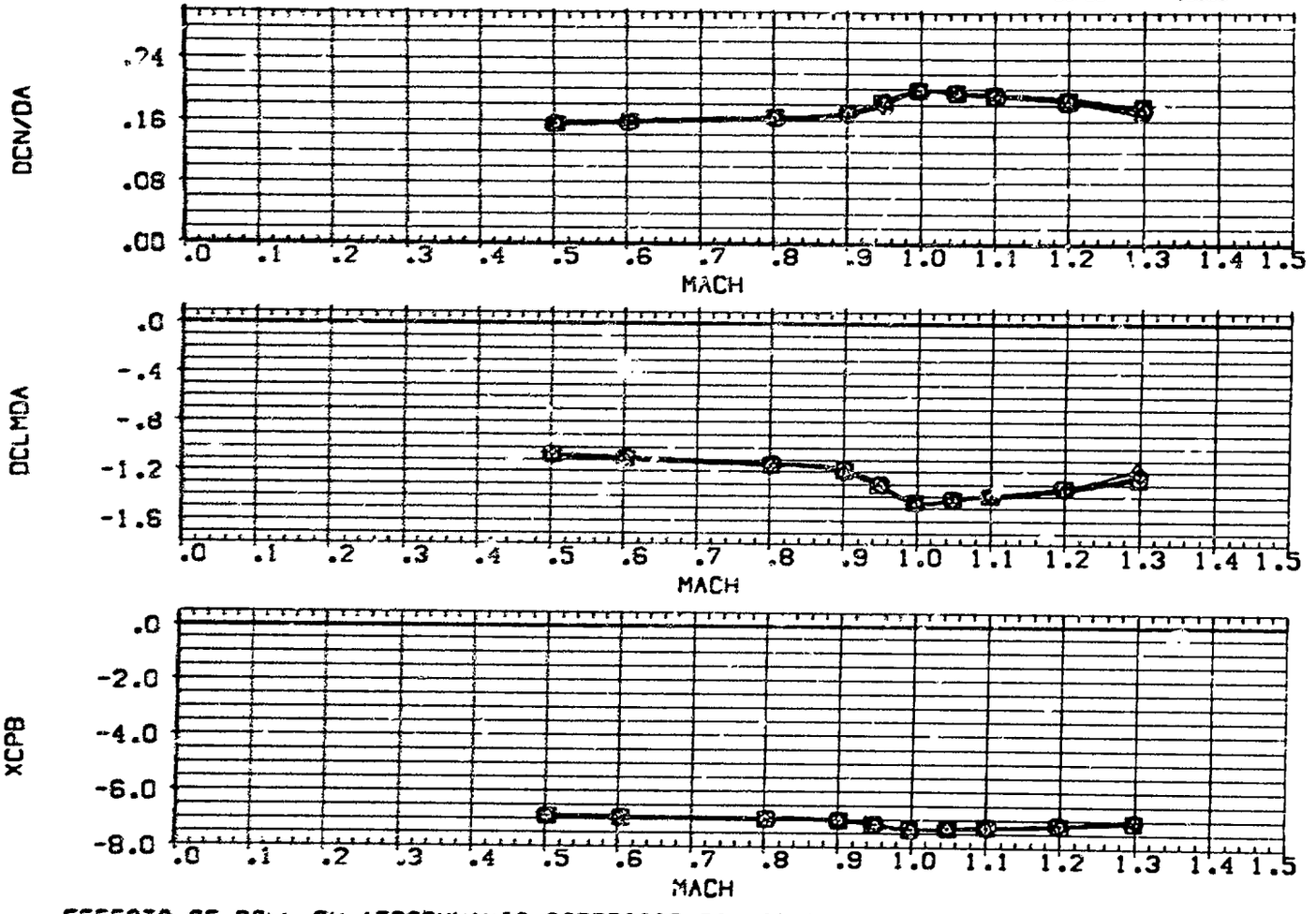


EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA = 22.5 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	LAMBDA	THETA
[illegible]	◯	AEDC TC 273 YRAPAROUND FIN, BIF1	.000	1.750	.000	45.000
[illegible]	▽	AEDC TC 273 YRAPAROUND FIN, BIF1	22.500	1.750	.000	45.000
[illegible]	⋈	AEDC TC 273 YRAPAROUND FIN, BIF1	45.000	1.750	.000	45.000
[illegible]	△	AEDC TC 273 YRAPAROUND FIN, BIF1	67.500	1.750	.000	45.000

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

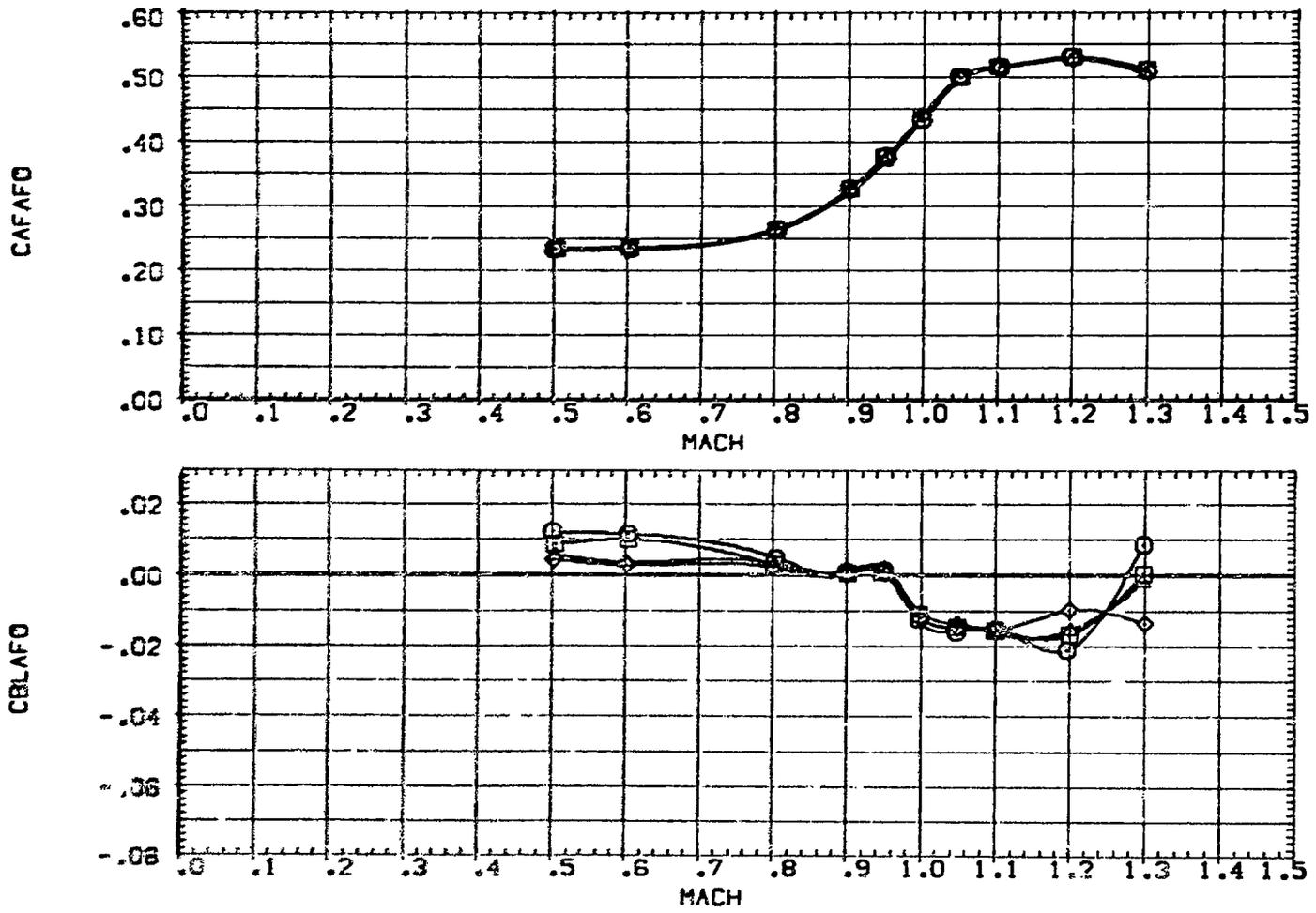


EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA = 45.0 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	LAMBDA	THETA
[CX38[8]	○	AEDC TC 273 WRAPAROUND FIN, BIF[	.000	1.750	.000	45.000
[CX38[9]	□	AEDC TC 273 WRAPAROUND FIN, BIF[	22.500	1.750	.000	45.000
[CX3820]	◇	AEDC TC 273 WRAPAROUND FIN, BIF[	45.000	1.750	.000	45.000
[CX3821]	△	AEDC TC 273 WRAPAROUND FIN, BIF[	67.500	1.750	.000	45.000

REFERENCE INFORMATION

SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

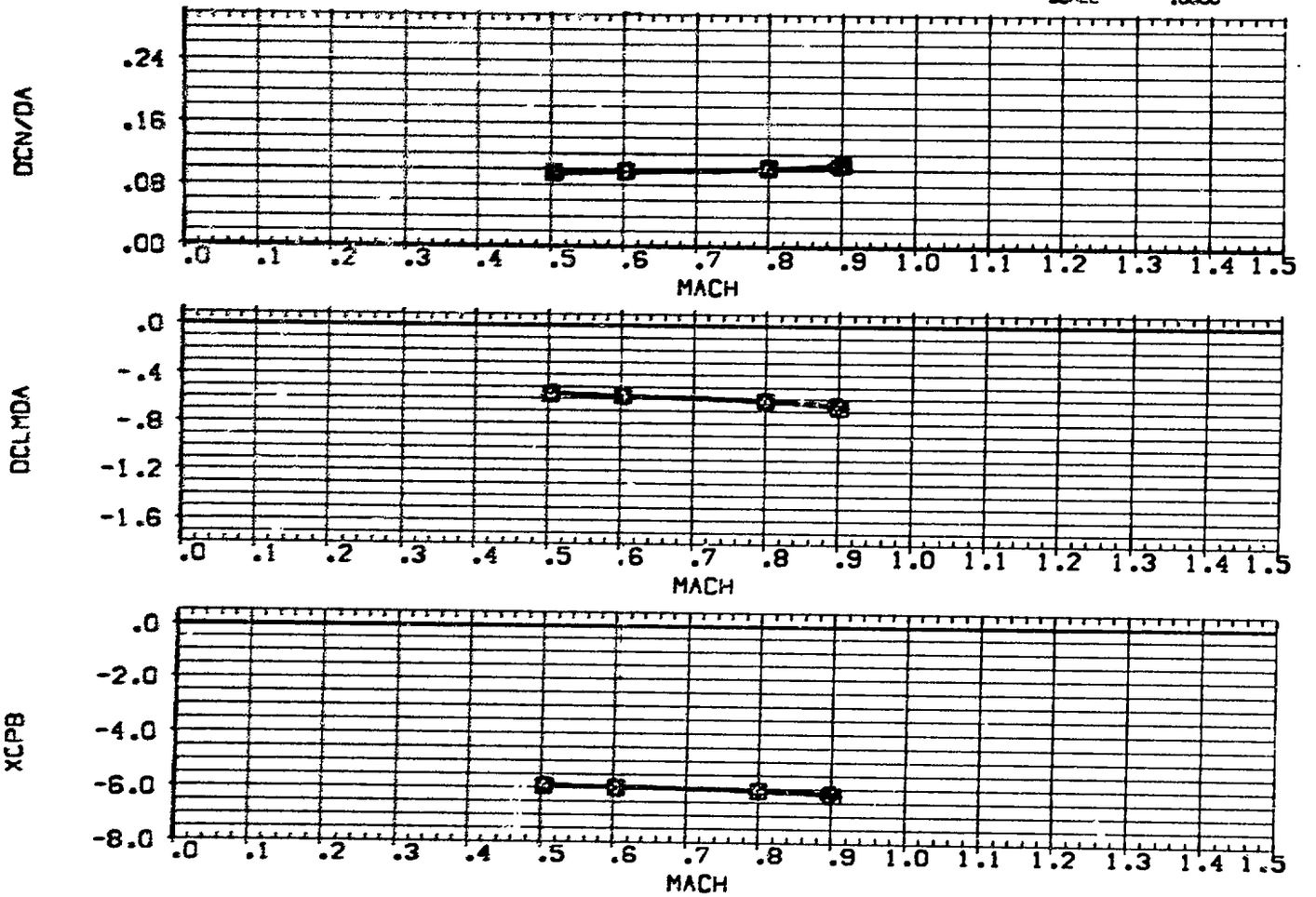


EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA = 45.0 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	□	AERO TC 273 W/RAPAROUND FIN, BIF1
[illegible]	◇	AERO TC 273 W/RAPAROUND FIN, BIF1
[illegible]	△	AERO TC 273 W/RAPAROUND FIN, BIF1
[illegible]	⊠	AERO TC 273 W/RAPAROUND FIN, BIF1

PHI	CR/D	LAMBDA	THETA
.000	1.750	.000	90.000
22.500	1.750	.000	90.000
45.000	1.750	.000	90.000
67.500	1.750	.000	90.000

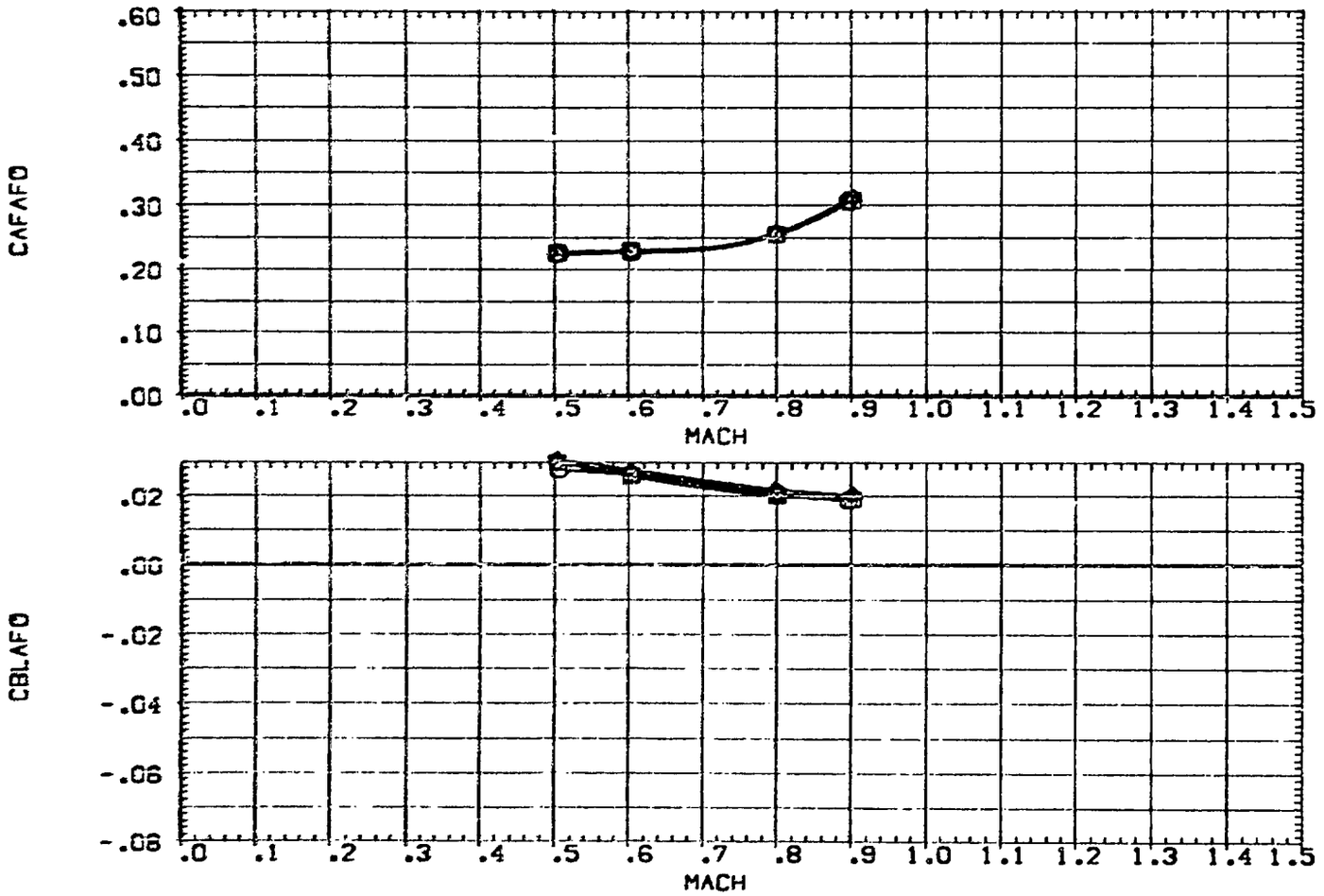
REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA = 90.0 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	LAMBDA	THETA
(CX3822)	○	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	1.750	.000	90.000
(CX3823)	□	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	1.750	.000	90.000
(CX3824)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	1.750	.000	90.000
(CX3825)	△	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	1.750	.000	90.000

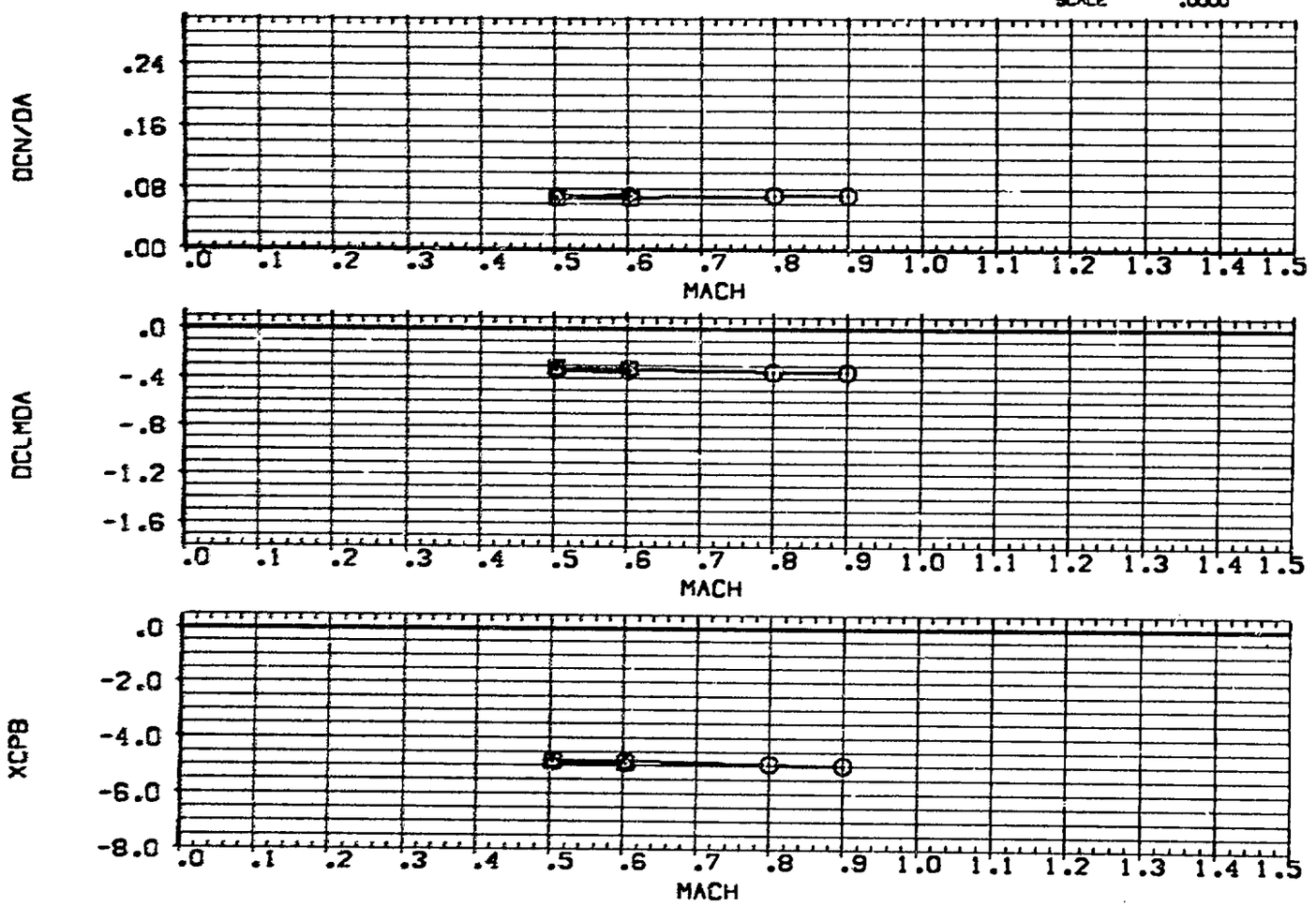
REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA = 90.0 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	LAMBDA	THETA
(CX38276)	○	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	1.750	.000	112.500
(CX38277)	⊙	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	1.750	.000	112.500
(CX38278)	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	1.750	.000	112.500
(CX38279)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	1.750	.000	112.500

REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

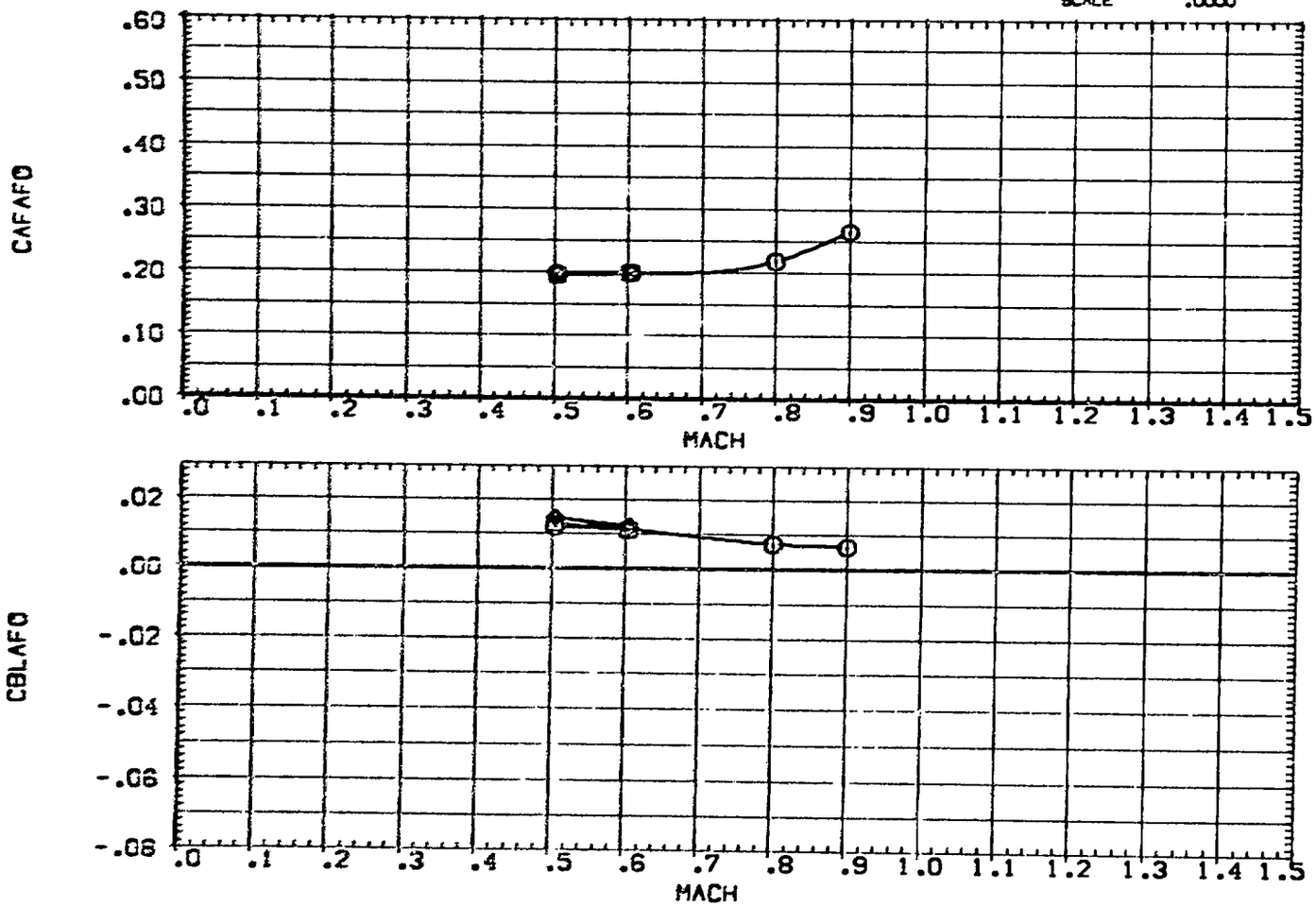


EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA =112.5 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX38226)	○	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX38227)	⊙	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX38228)	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX38229)	△	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	CR/D	LAMBDA	THETA
.000	1.750	.000	112.500
22.500	1.750	.000	112.500
45.000	1.750	.000	112.500
67.500	1.750	.000	112.500

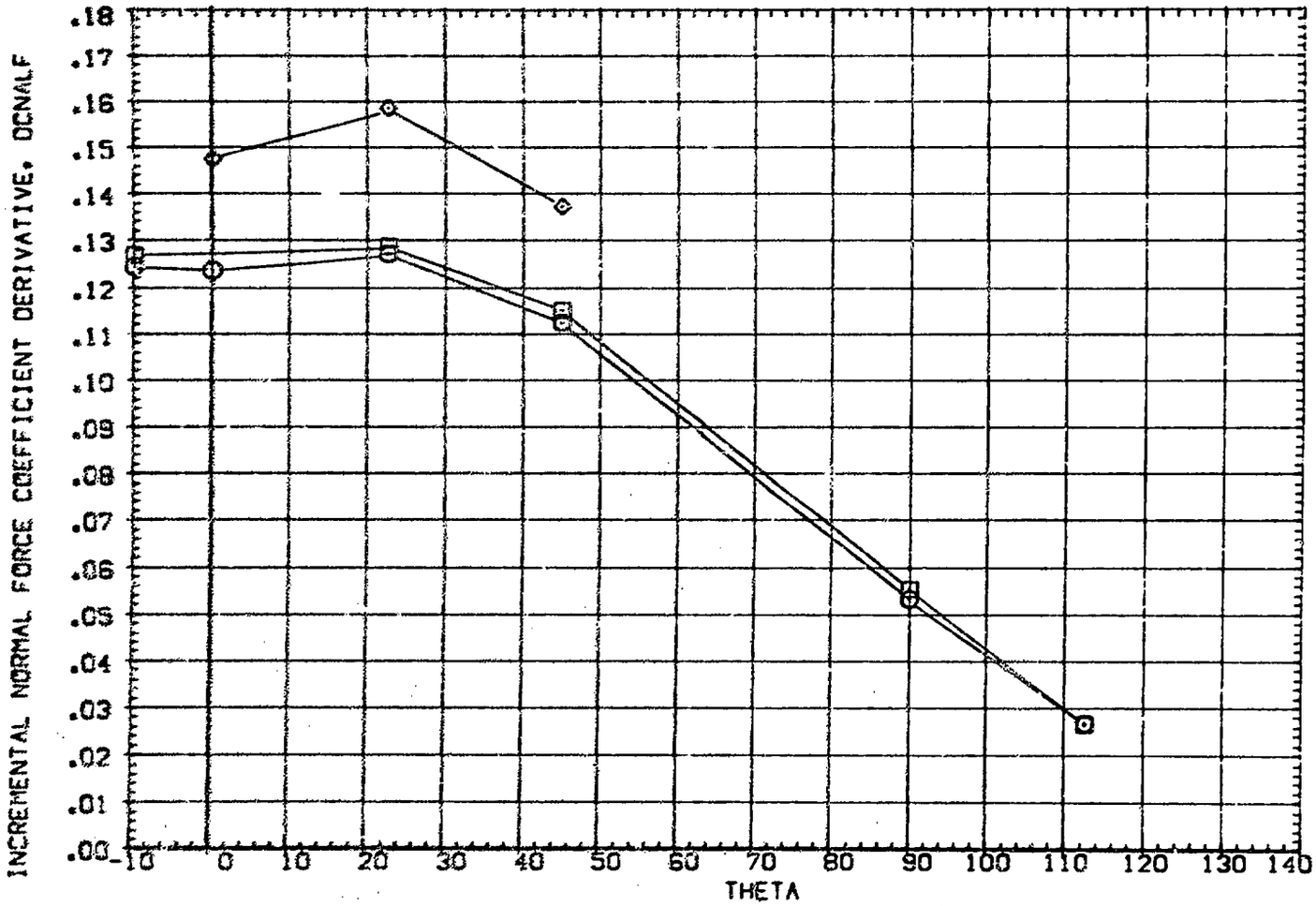
REFERENCE INFORMATION		
SREF	12.5660	SQ.IN.
LREF	4.0000	INCHES
BREF	4.0000	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



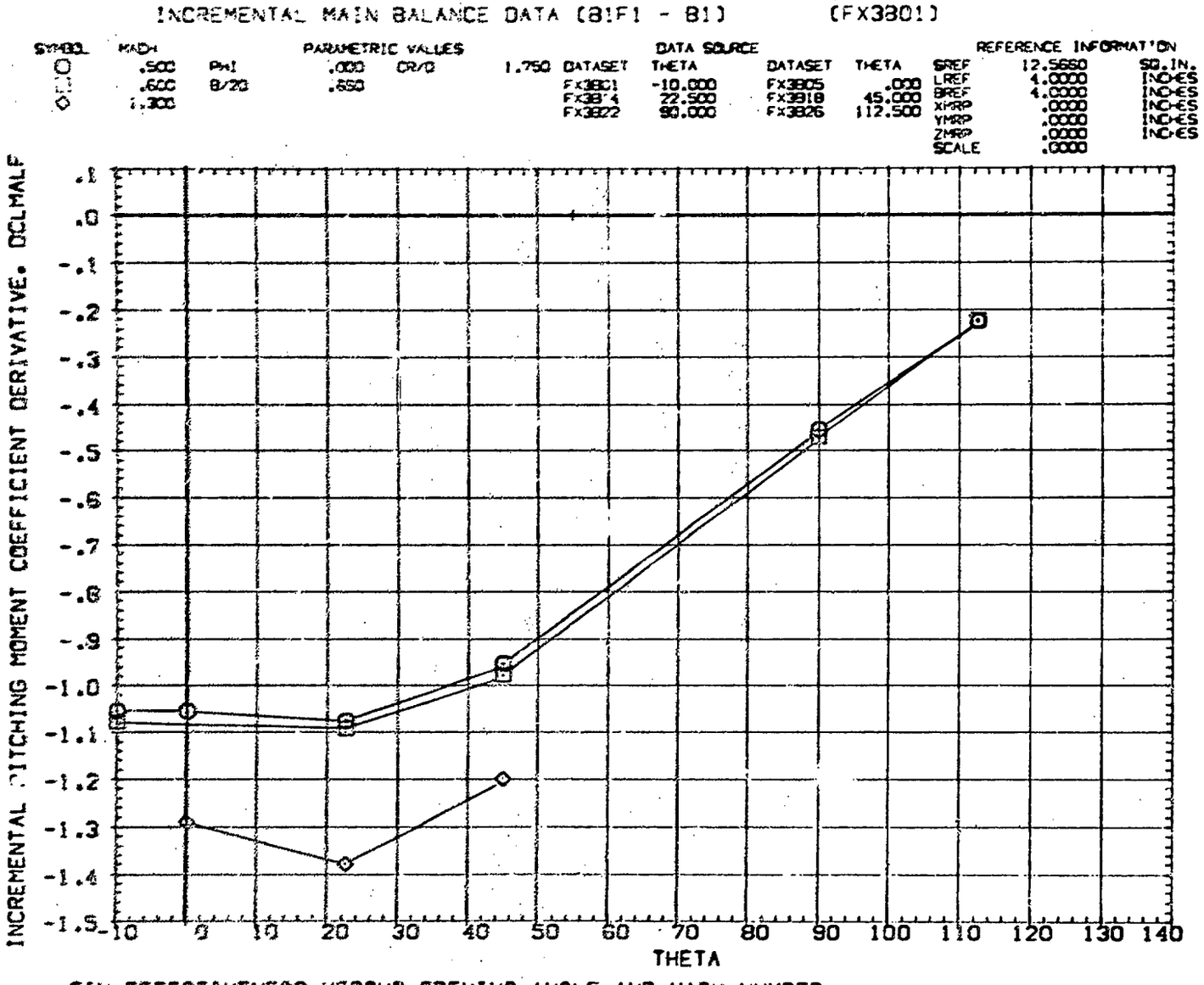
EFFECTS OF ROLL ON AERODYNAMIC COEFFICIENTS, CR/D = 1.75, THETA =112.5 DEGREES

INCREMENTAL MAIN BALANCE DATA (@1F1 - B1) (FX3801)

SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	.500	PHI	.000	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
◇	.600	B/2D	.660			FX3801	-10.000	FX3805	.000	LREF	4.0000	INCHES
	1.300					FX3814	22.500	FX3818	45.000	BREF	4.0000	INCHES
						FX3822	80.000	FX3826	112.500	XMRP	.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0020	



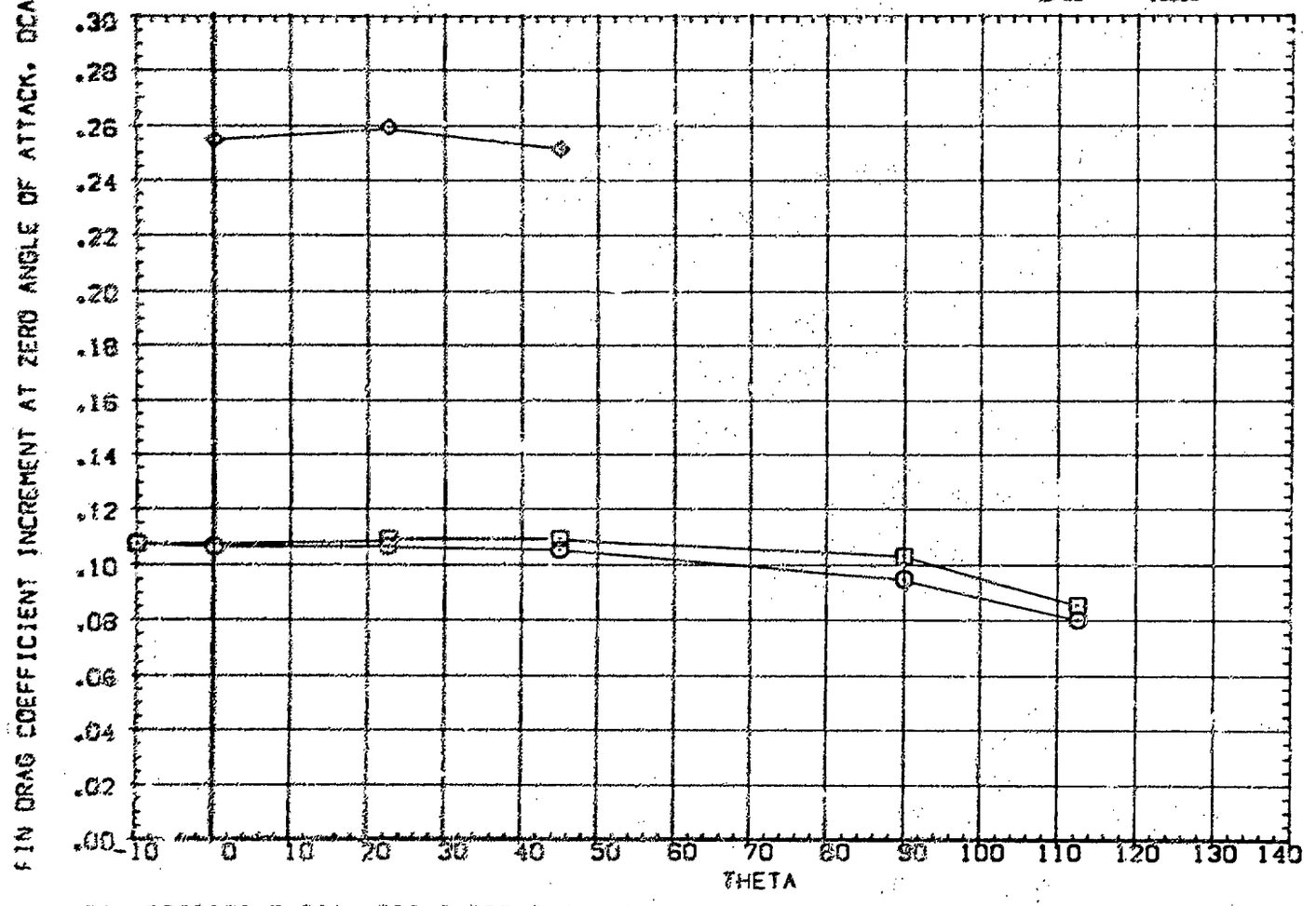
FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER



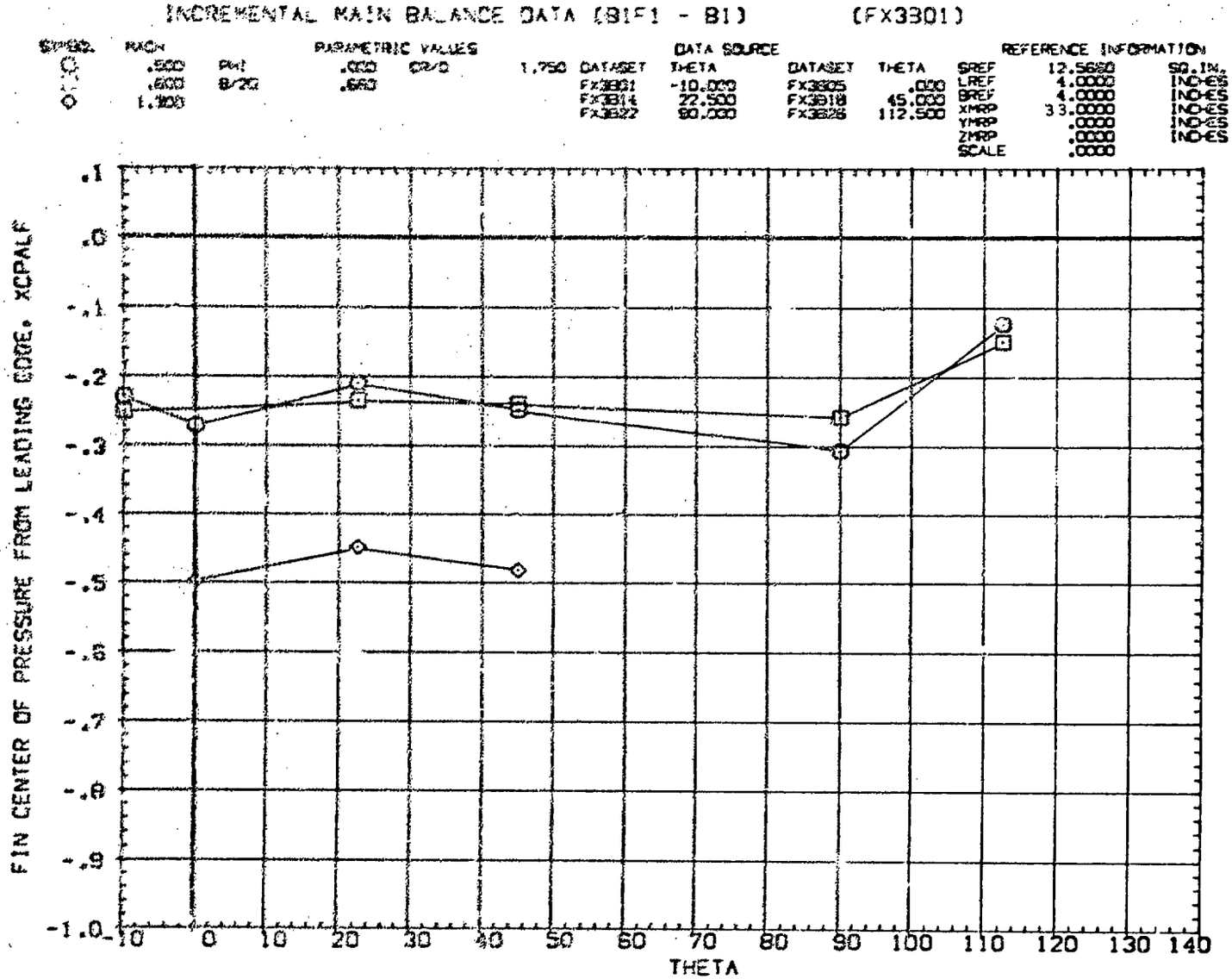
FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3801)

SYMBOL	MACH	PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	.500	PHI	.000	CR/B 1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
□	.600	B/2S	.600		FX3801	-10.000	FX3805	.000	LREF	4.0000	INCHES
◇	1.200				FX3814	22.500	FX3818	45.000	BREF	4.0000	INCHES
					FX3822	90.000	FX3826	112.500	XMRP	.0000	INCHES
									YMRP	.0000	INCHES
									ZMRP	.0000	INCHES
									SCALE	.0000	



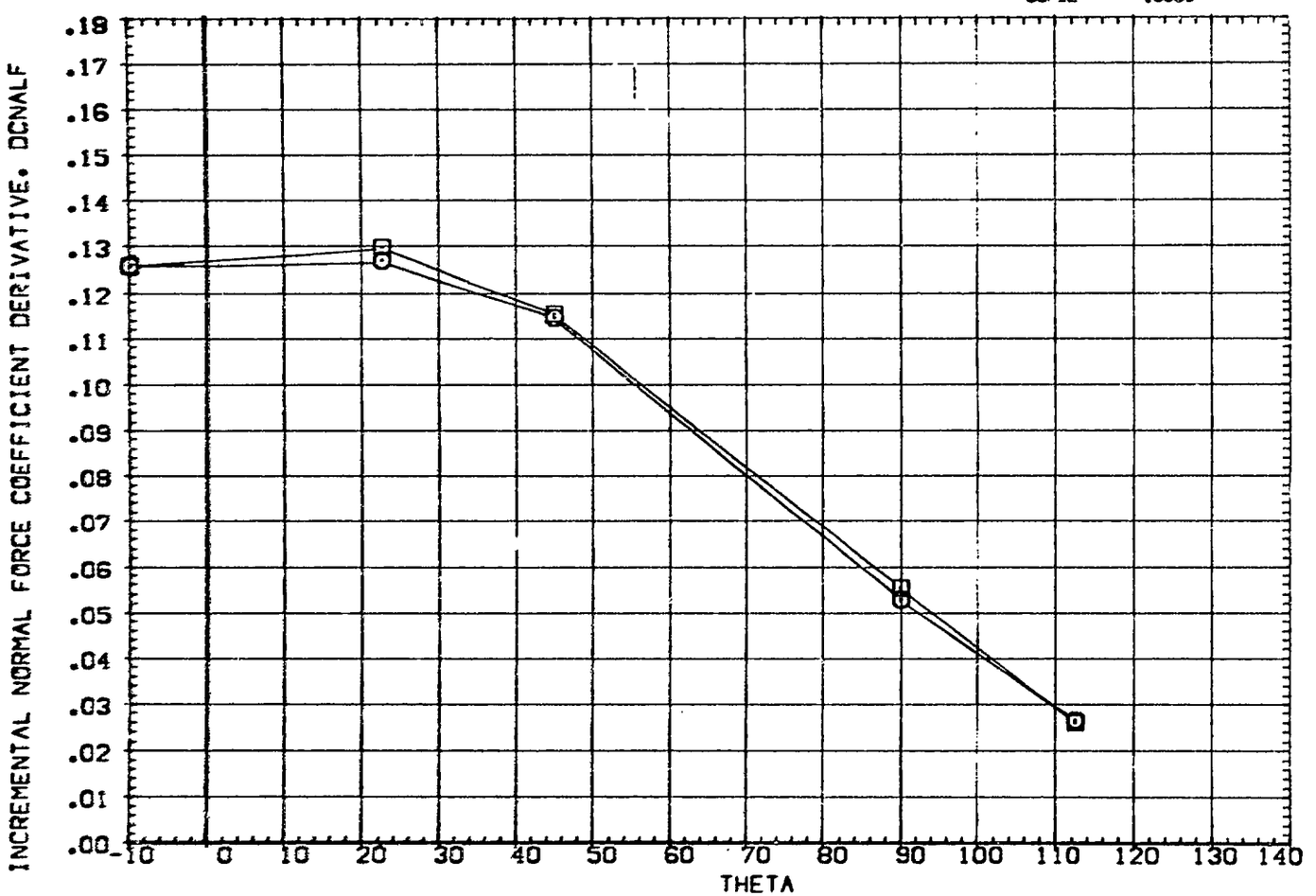
FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3802)

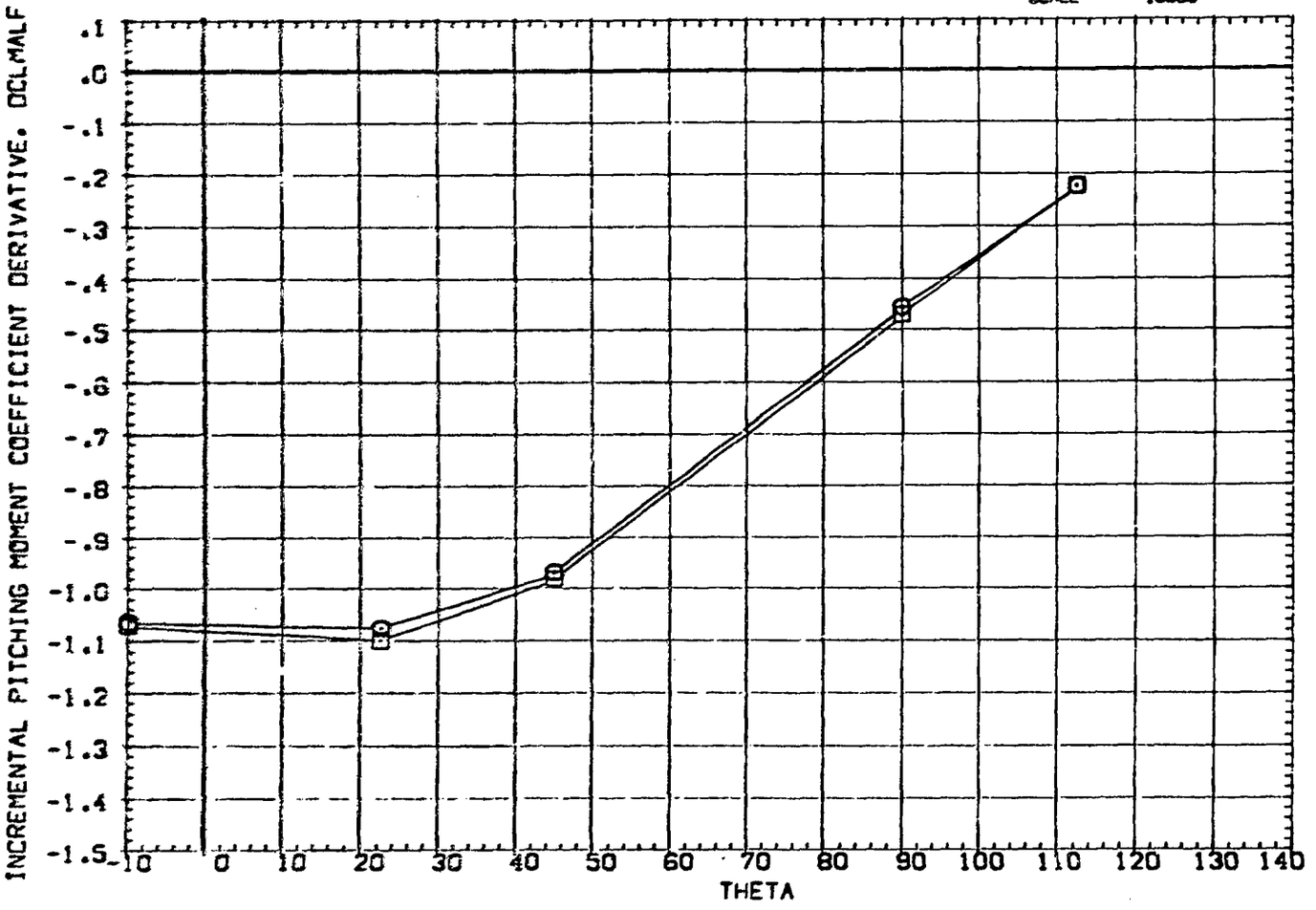
SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	.500	PHI	22.500	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
□	.600	B/2D	.660			FX3802	-10.000	FX3815	22.500	LREF	4.0000	INCHES
						FX3819	45.000	FX3823	90.000	BREF	4.0000	INCHES
						FX3827	112.500			XMRP	.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3802)

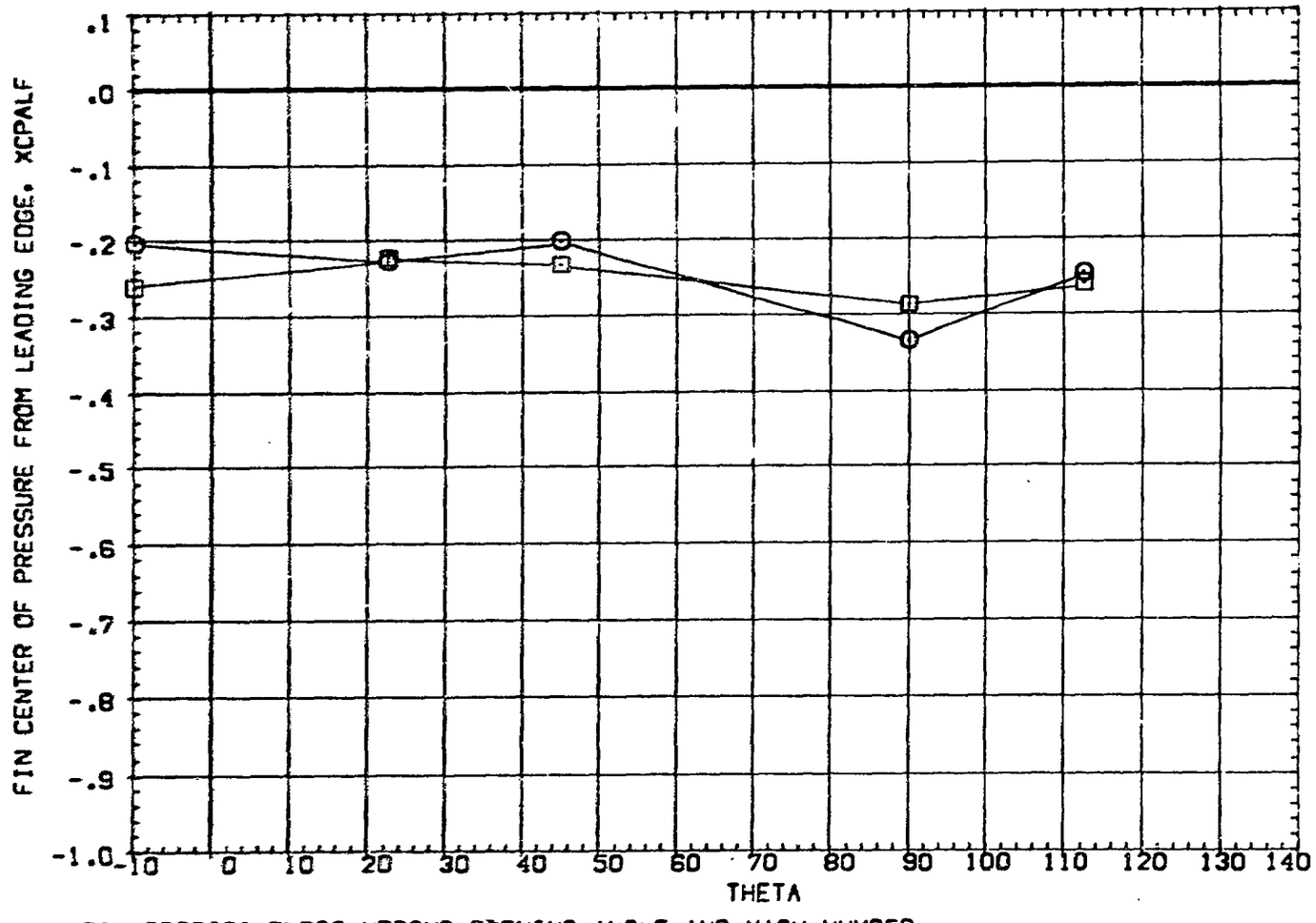
SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	.500	PHI	22.500	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
□	.600	B/2D	.660			FX3802	-10.000	FX3815	22.500	LREF	4.0000	INCHES
						FX3819	45.000	FX3823	90.000	BREF	4.0000	INCHES
						FX3827	112.500			XMRP	.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3802)

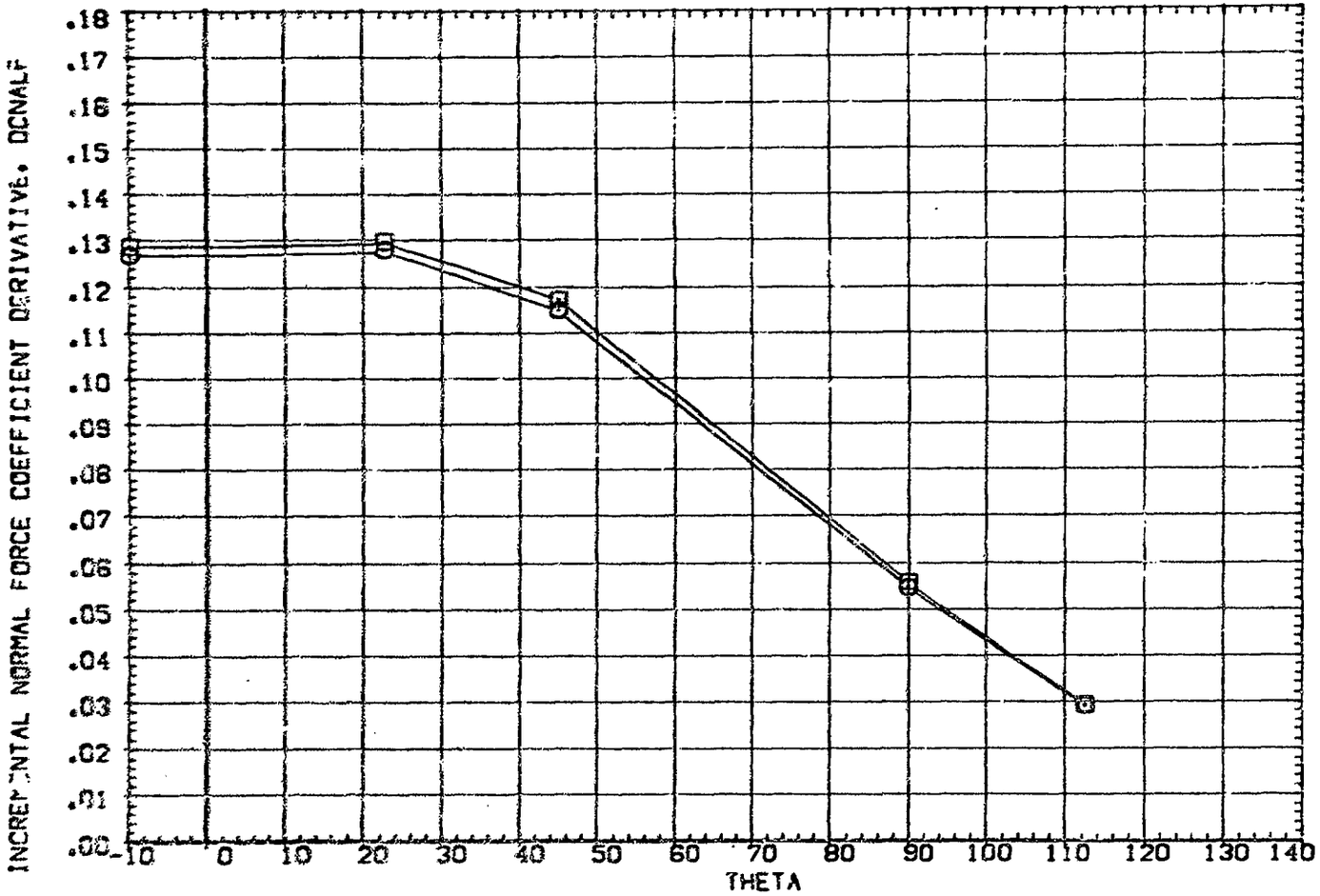
SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
O	.500	PHI	22.500	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
□	.600	B/2S	.660			FX3802	-10.000	FX3815	22.500	LREF	4.0000	INCHES
						FX3819	45.000	FX3823	90.000	BREF	4.0000	INCHES
						FX3827	112.500			XMRP	33.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3803)

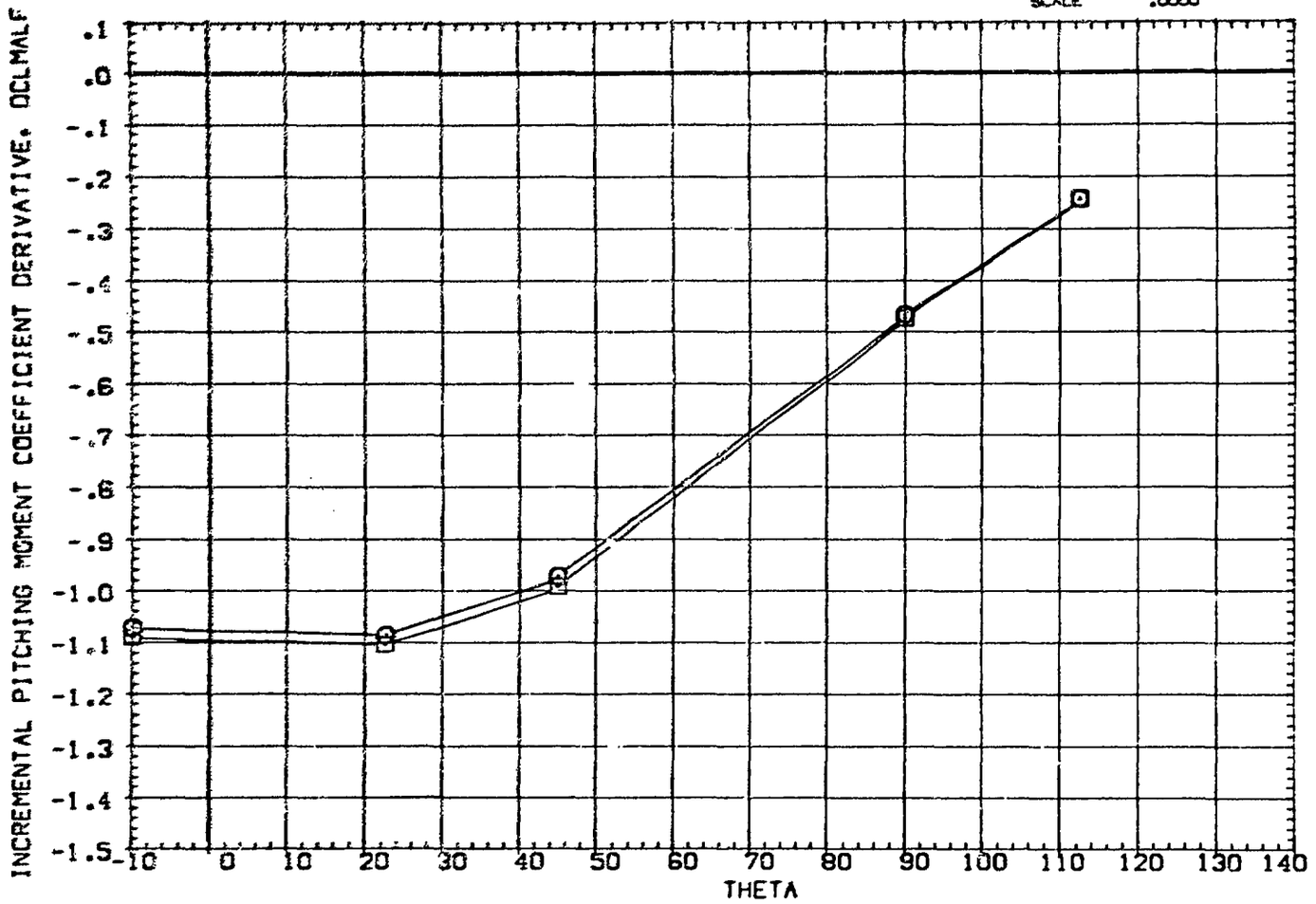
SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	.500	PHI	45.000	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
□	.600	B/2D	.060			FX3803	-10.000	FX3816	22.500	LREF	4.0000	INCHES
						FX3820	45.000	FX3824	90.000	BREF	4.0000	INCHES
						FX3828	112.500			XMRP	.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3803)

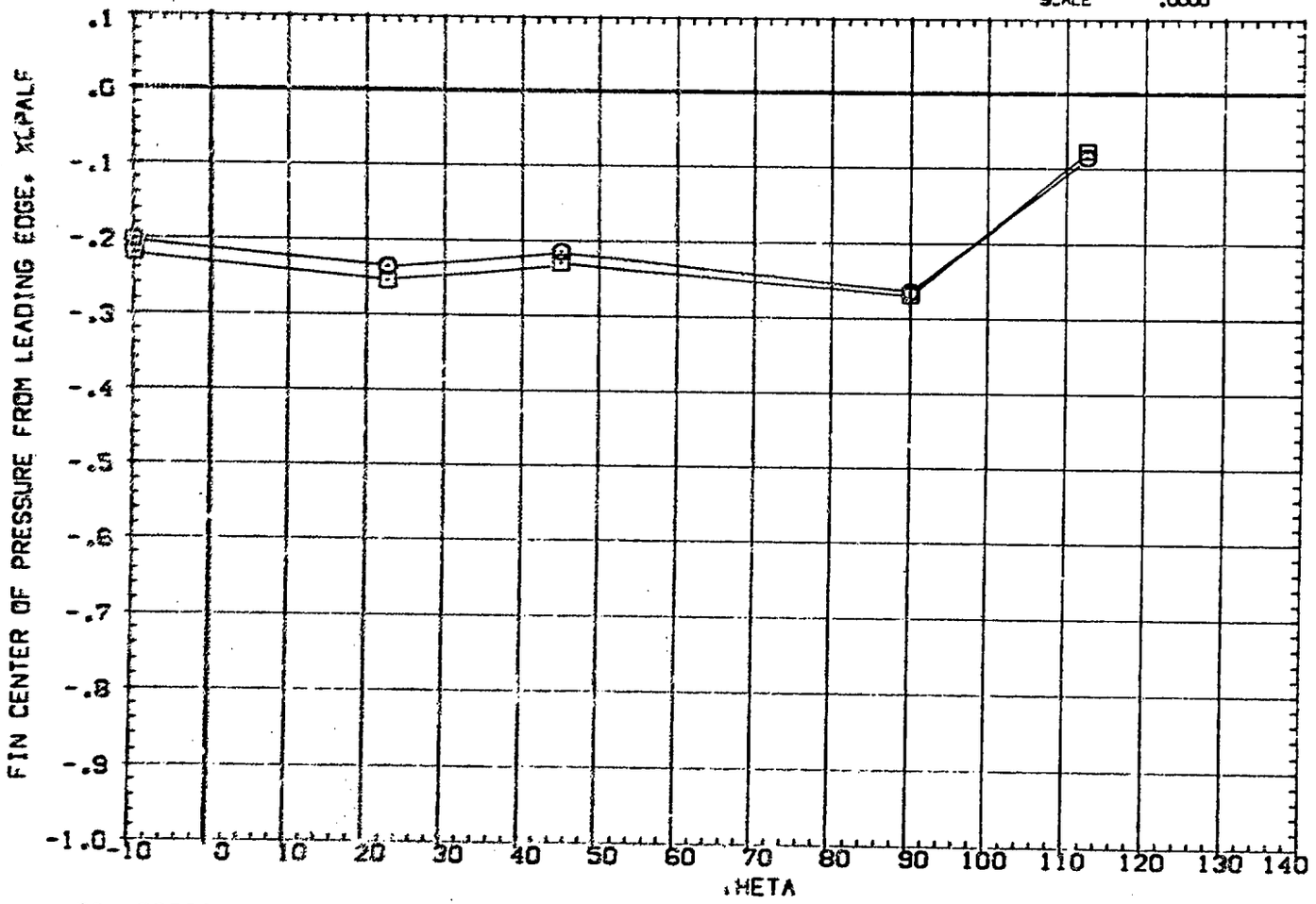
SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	.500	PHI	45.000	CR/C	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
□	.600	B/2S	.650			FX3803	-10.000	FX3816	22.500	LREF	4.0000	INCHES
						FX3820	45.000	FX3824	90.000	BREF	4.0000	INCHES
						FX3828	112.500			XMRP	.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3B03)

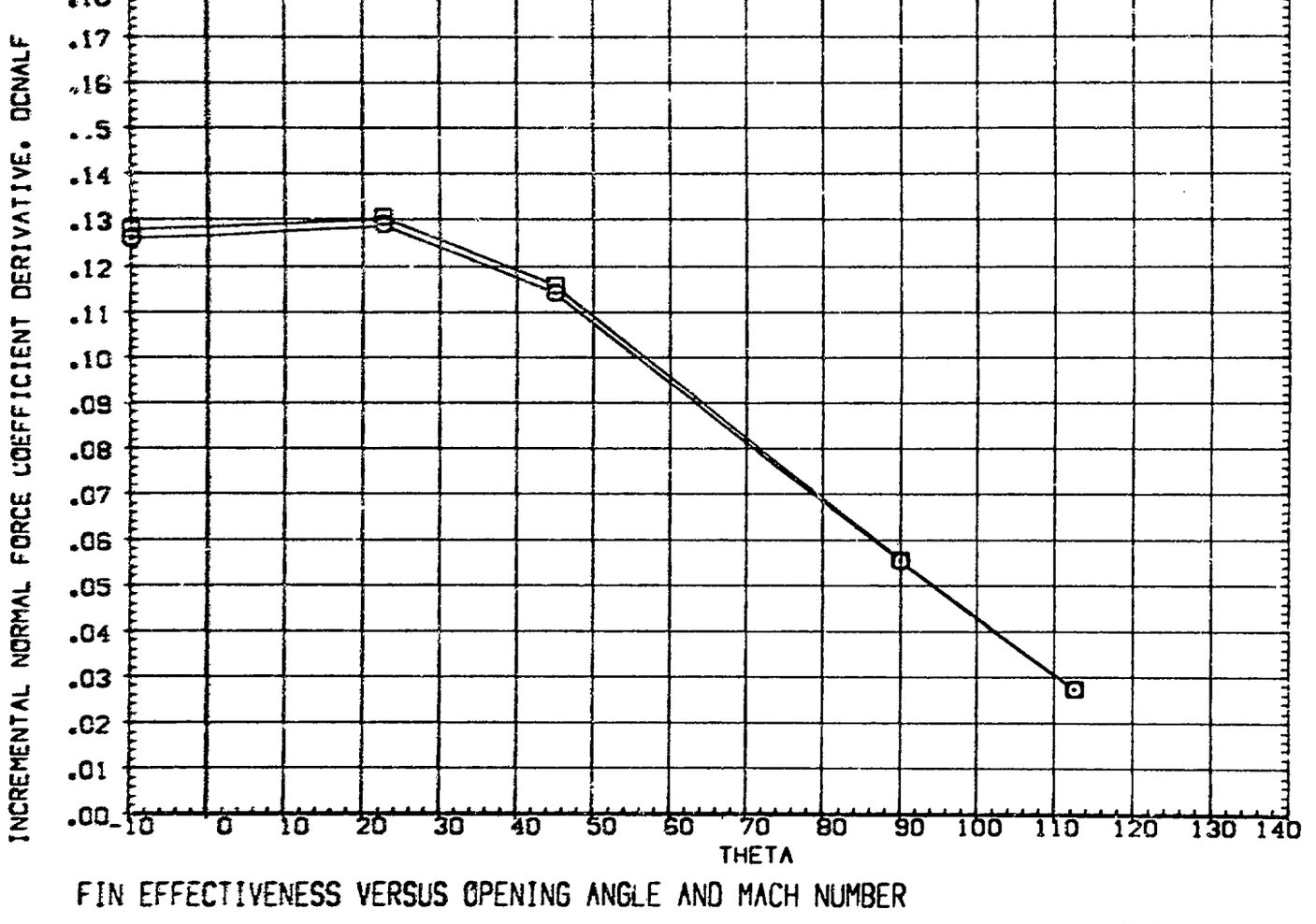
SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
O	.500	PHI	45.000	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
□	.600	B/2D	.660			FX3B03	-10.000	FX3B16	22.500	LREF	4.0000	INCHES
						FX3B20	45.000	FX3B24	90.000	BREF	4.0000	INCHES
						FX3B28	112.500			XMRP	33.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3804)

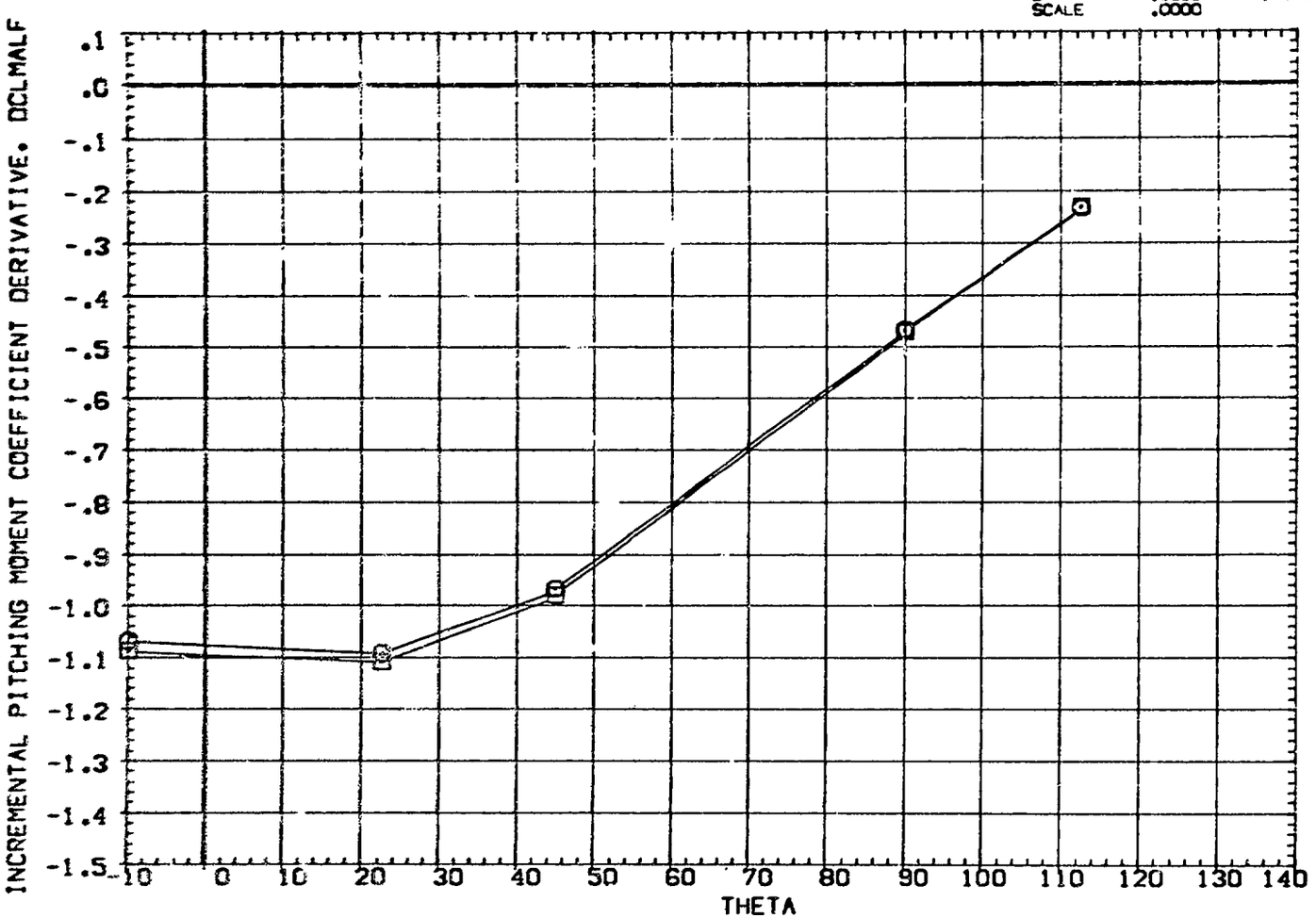
SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	.500	PHI	67.500	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
□	.600	B/2D	.860			FX3804	-10.000	FX3817	23.500	LREF	4.0000	INCHES
						FX3821	45.000	FX3825	90.000	BREF	4.0000	INCHES
						FX3829	112.500			XMRP	.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3B04)

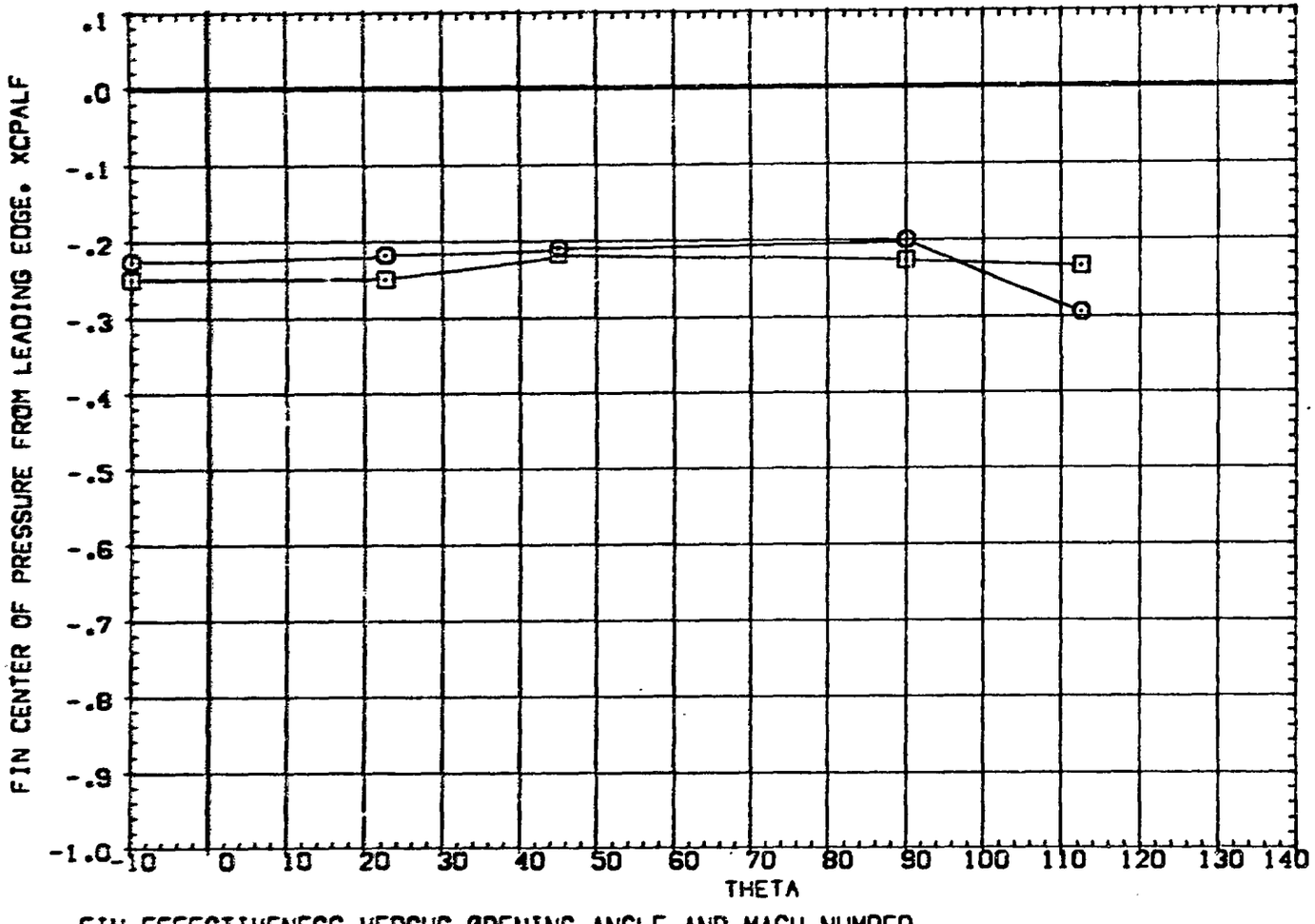
SYMBOL	MACH		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
O	.500	PHI	67.500	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
	.600	B/2D	.660			FX3804	-10.000	FX3817	22.500	LREF	4.0000	INCHES
						FX3821	45.000	FX3825	90.000	BREF	4.0000	INCHES
						FX3829	112.500			XMRP	.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



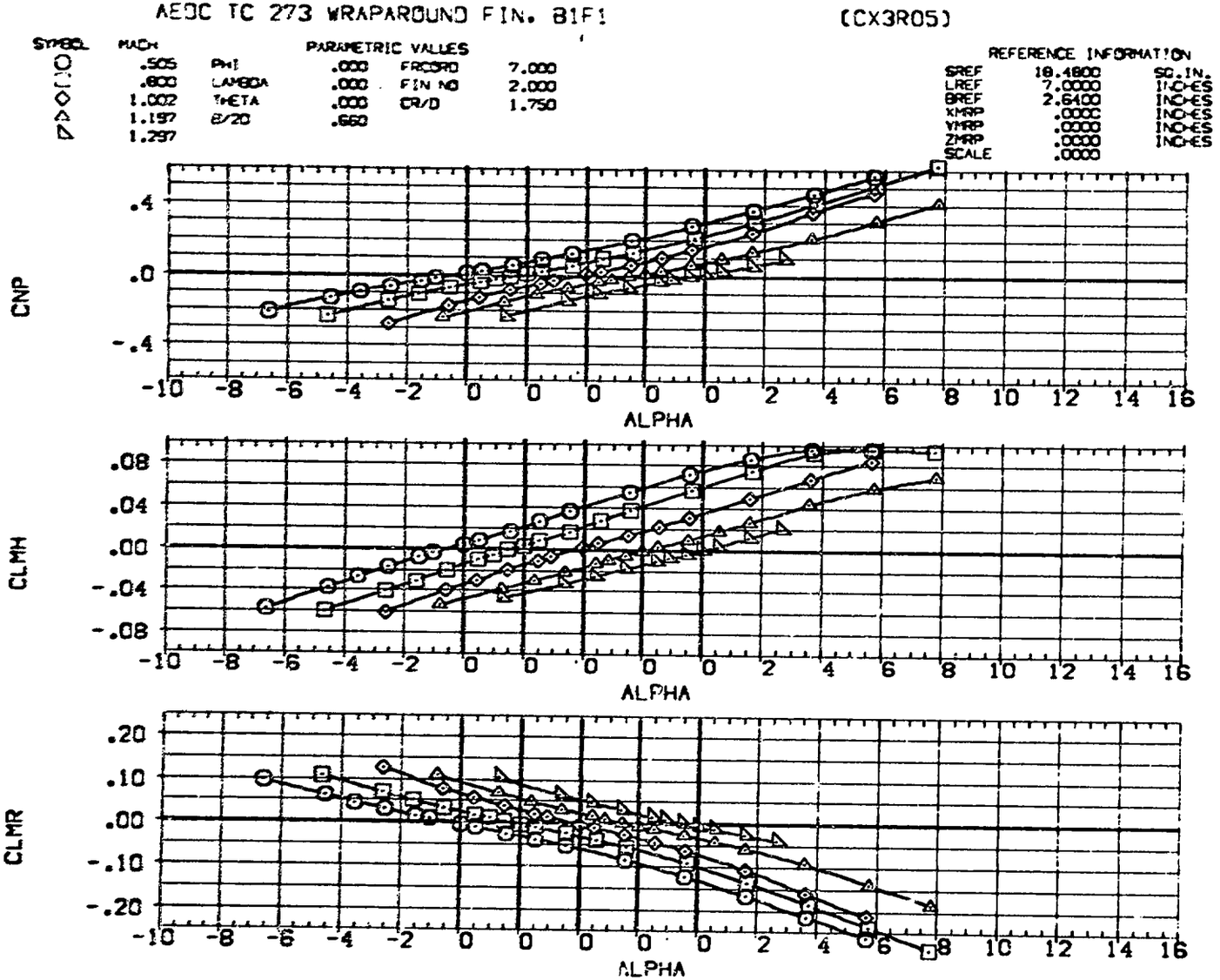
FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER

INCREMENTAL MAIN BALANCE DATA (B1F1 - B1) (FX3804)

SYMBOL	MACH	PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	.500	PHI	67.500	CR/D	1.750	DATASET	THETA	DATASET	THETA	SREF	12.5660	SQ.IN.
	.600	B/2D	.660			FX3804	-10.000	FX3817	22.500	LREF	4.0000	INCHES
						FX3821	45.000	FX3825	90.000	BREF	4.0000	INCHES
						FX3829	112.500			XMRP	33.0000	INCHES
										YMRP	.0000	INCHES
										ZMRP	.0000	INCHES
										SCALE	.0000	



FIN EFFECTIVENESS VERSUS OPENING ANGLE AND MACH NUMBER



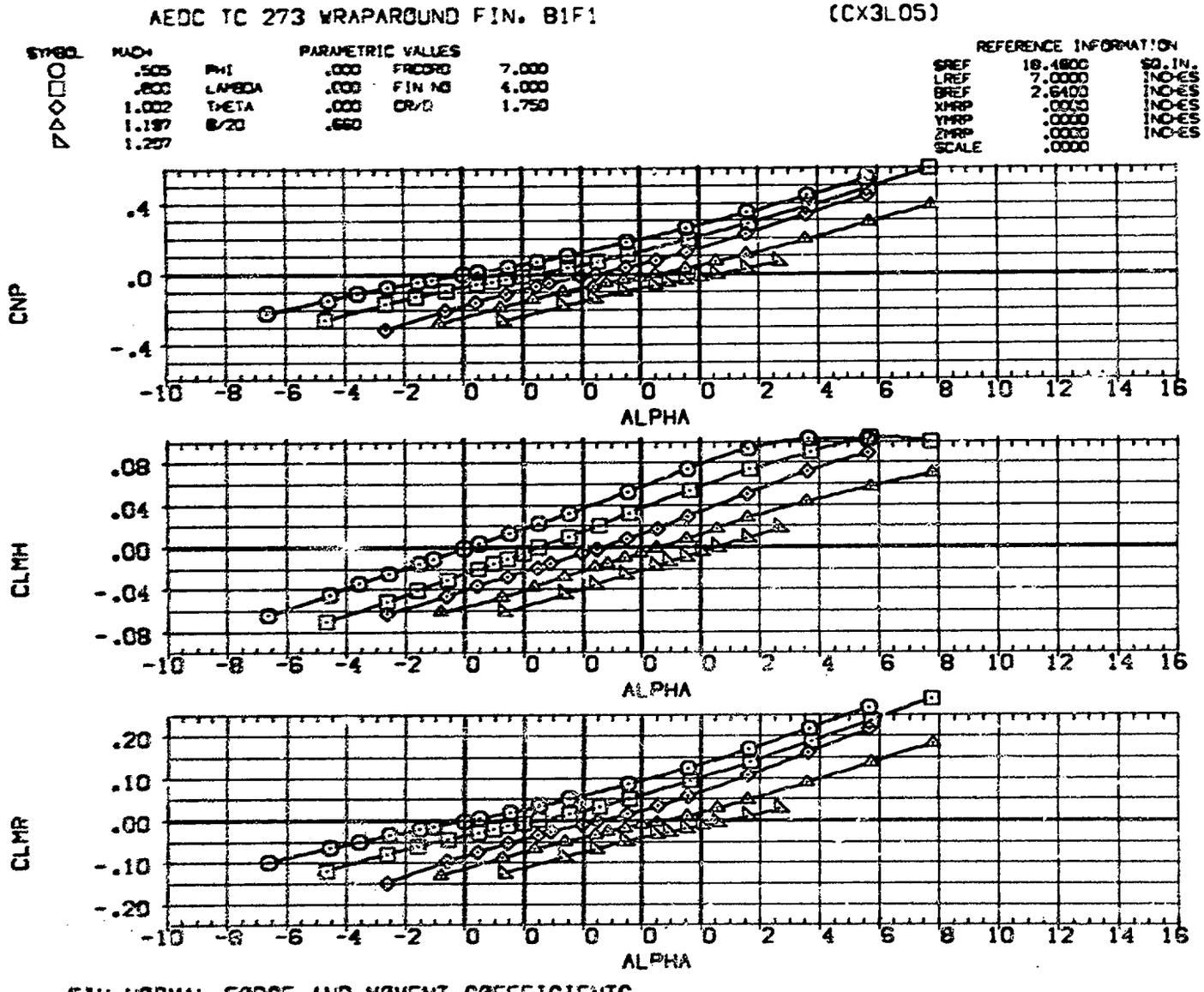
FIN NORMAL FORCE AND MOMENT COEFFICIENTS

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3L05)

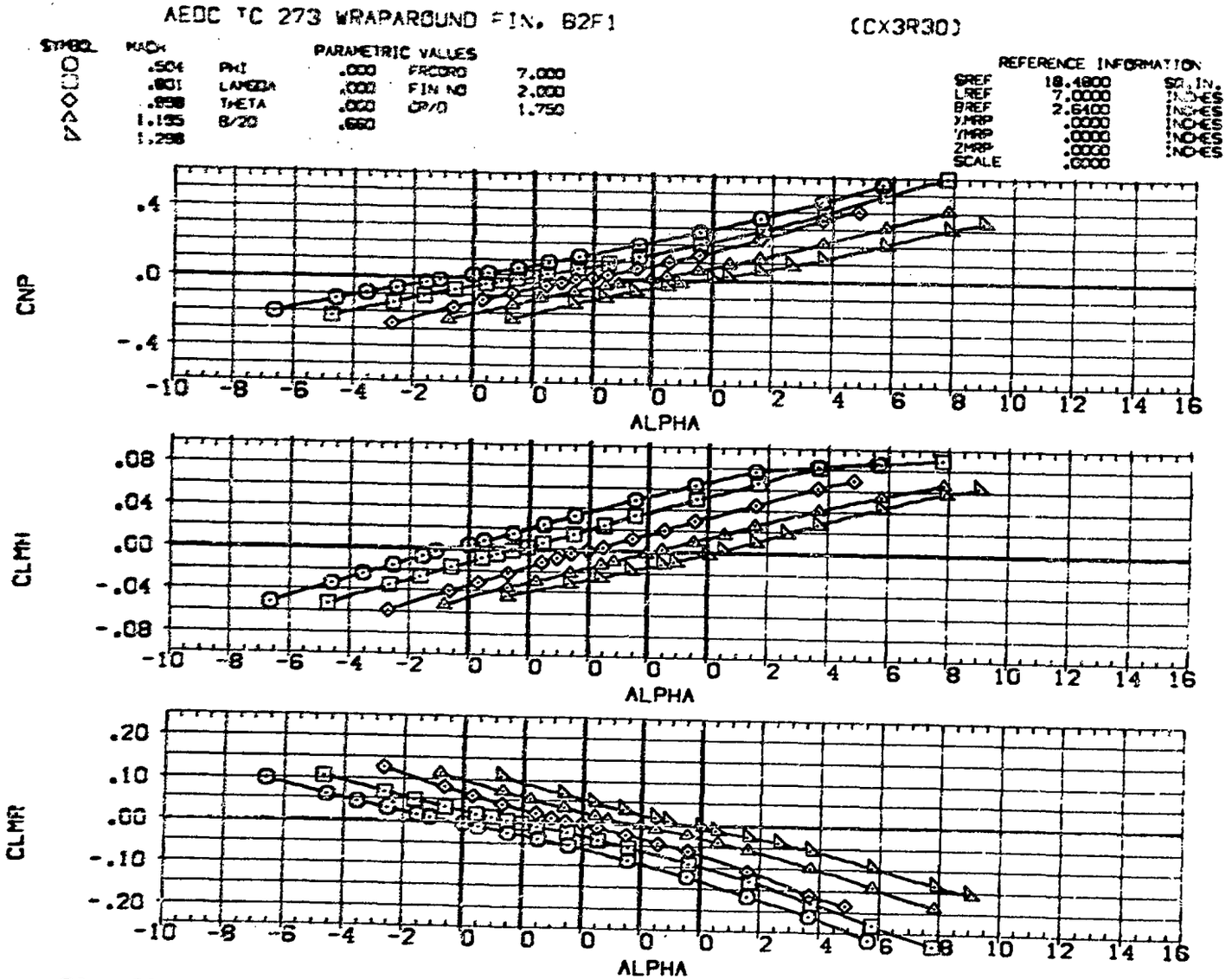
SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	.000	FRCORD	7.000
□	.800	LAMBDA	.000	FIN NO	4.000
◇	1.002	THETA	.000	DR/D	1.750
△	1.197	B/2D	.660		
▷	1.297				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS



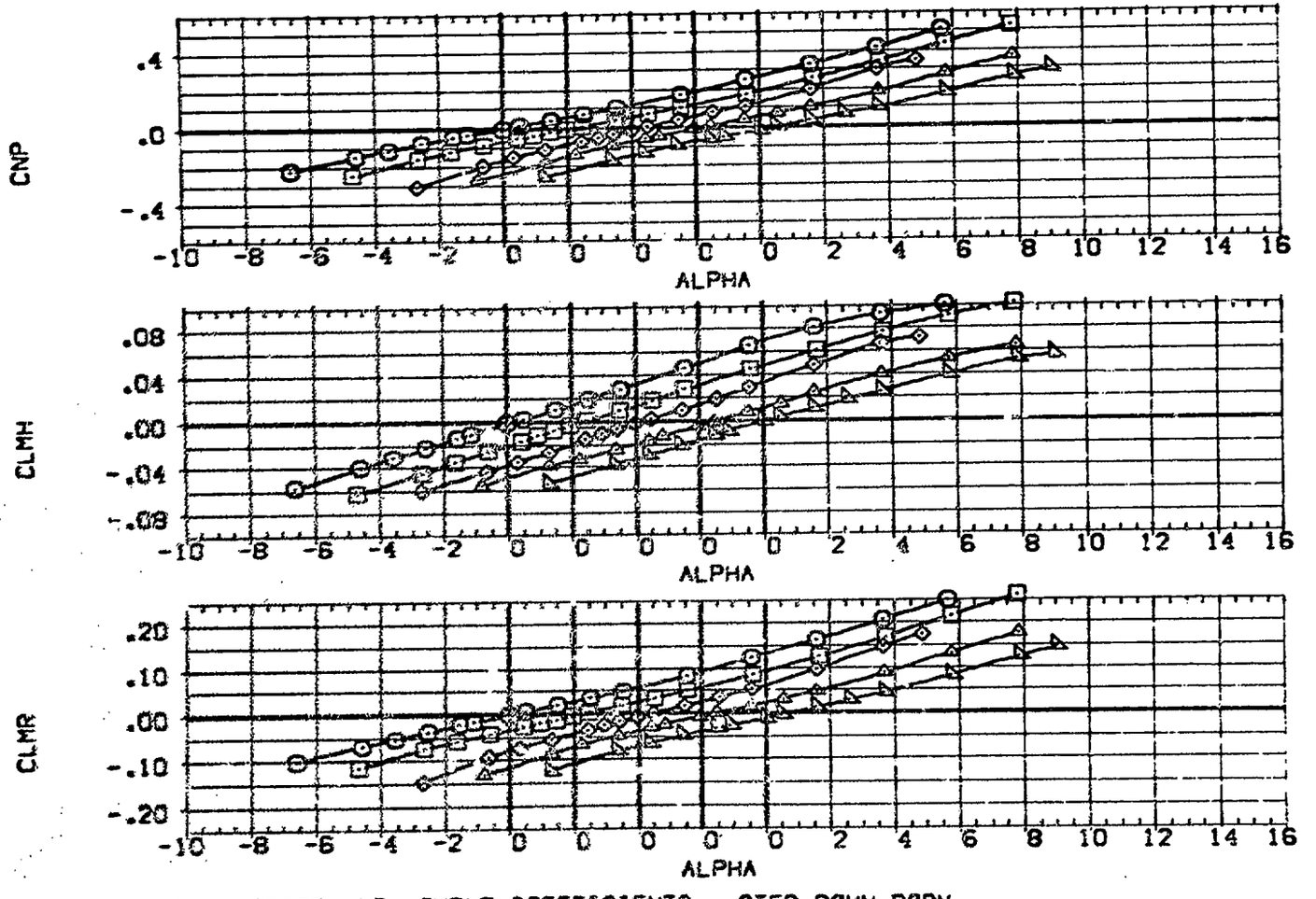
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, STEP DOWN BODY

AEDC TC 273 WRAPAROUND FIN, B2F1 (CX3L30)

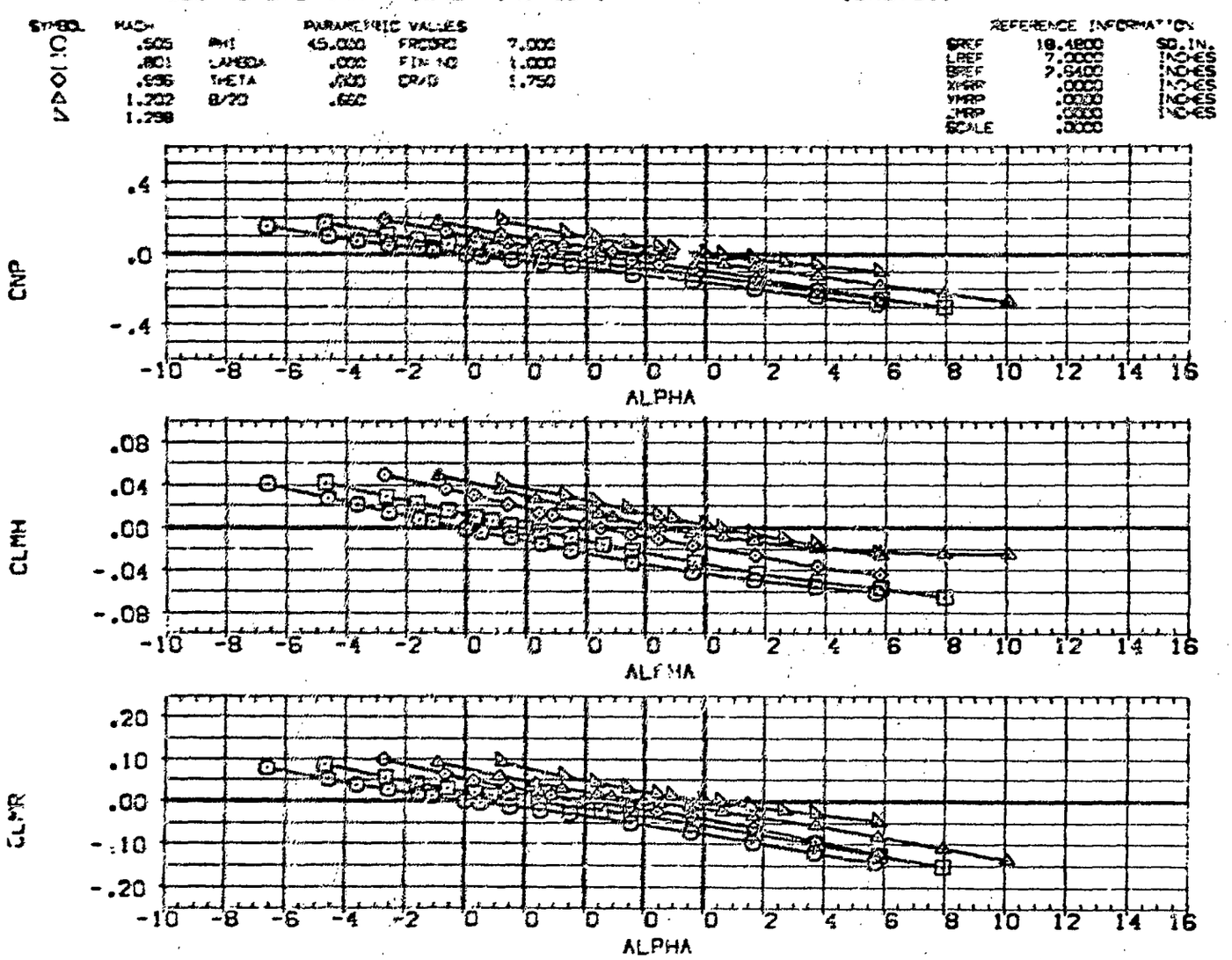
SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	.000	FRCORD	7.000
□	.801	LAMBDA	.000	FIN NO	4.000
◇	.938	THETA	.000	CR/D	1.750
△	1.155	B/2D	.660		
▽	1.298				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



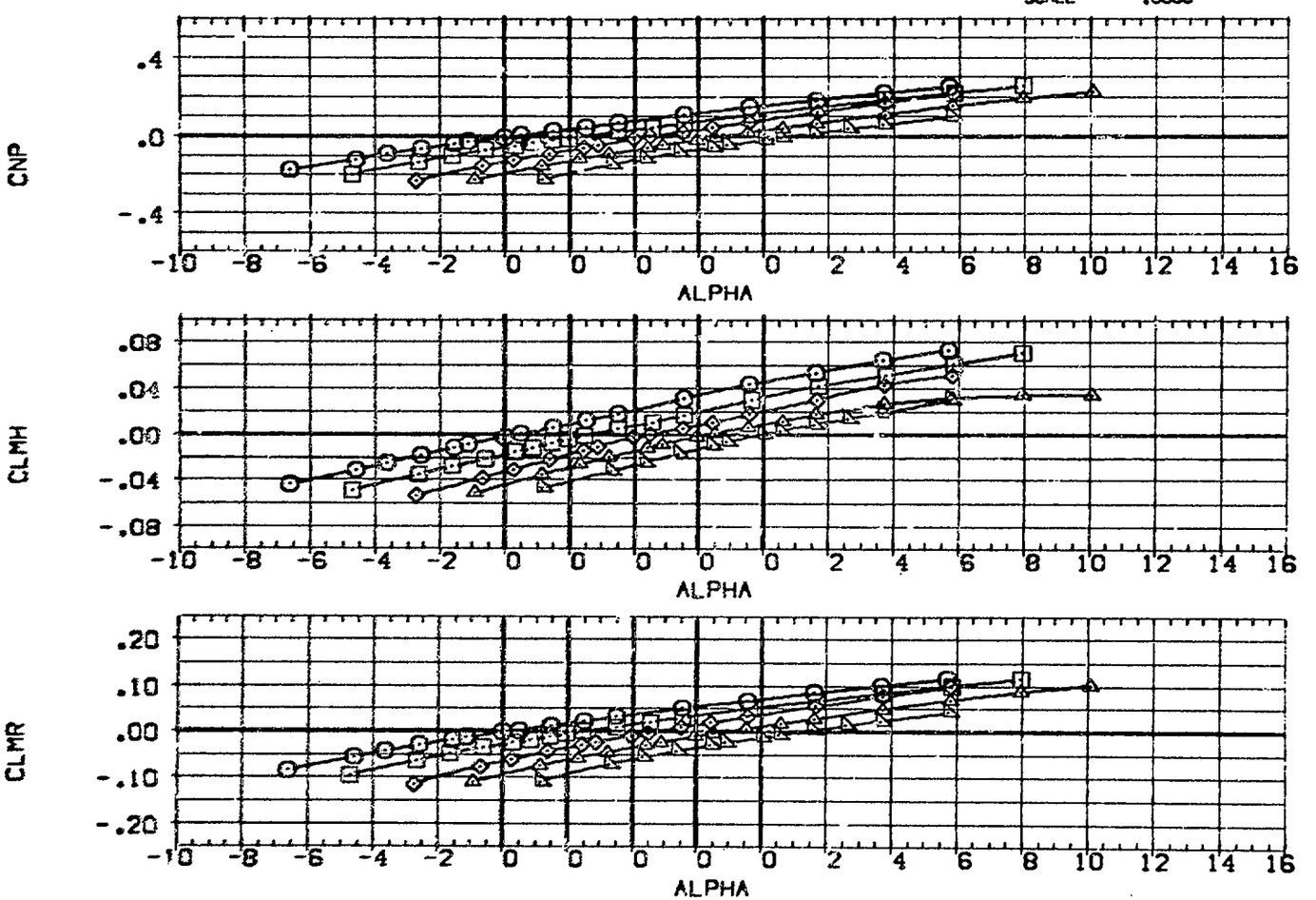
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, STEP DOWN BODY



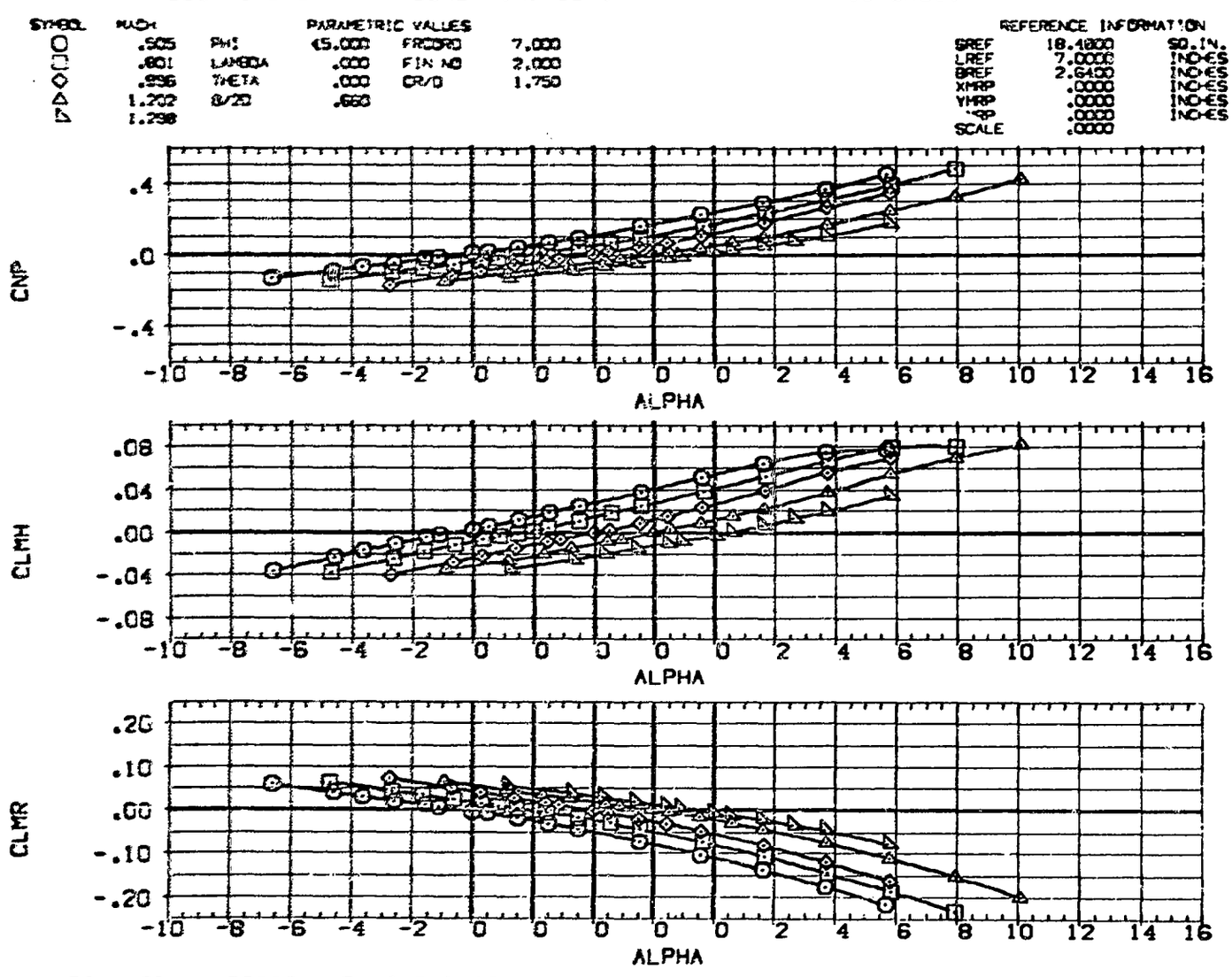
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, STEP DOWN BODY

AEDC TC 273 WRAPAROUND FIN, B2F1 (CX3L31)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	.505	PHI	45.000	FRCORD	7.000	SREF	18.4800	SQ.IN.
□	.801	LAMBDA	.000	FIN NO	4.000	LREF	7.0000	INCHES
◇	.995	THETA	.000	CR/D	1.750	BREF	2.6400	INCHES
△	1.202	B/2D	.660			XMRP	.0000	INCHES
▽	1.298					YMRP	.0000	INCHES
						ZMRP	.0000	INCHES
						SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, STEP DOWN BODY



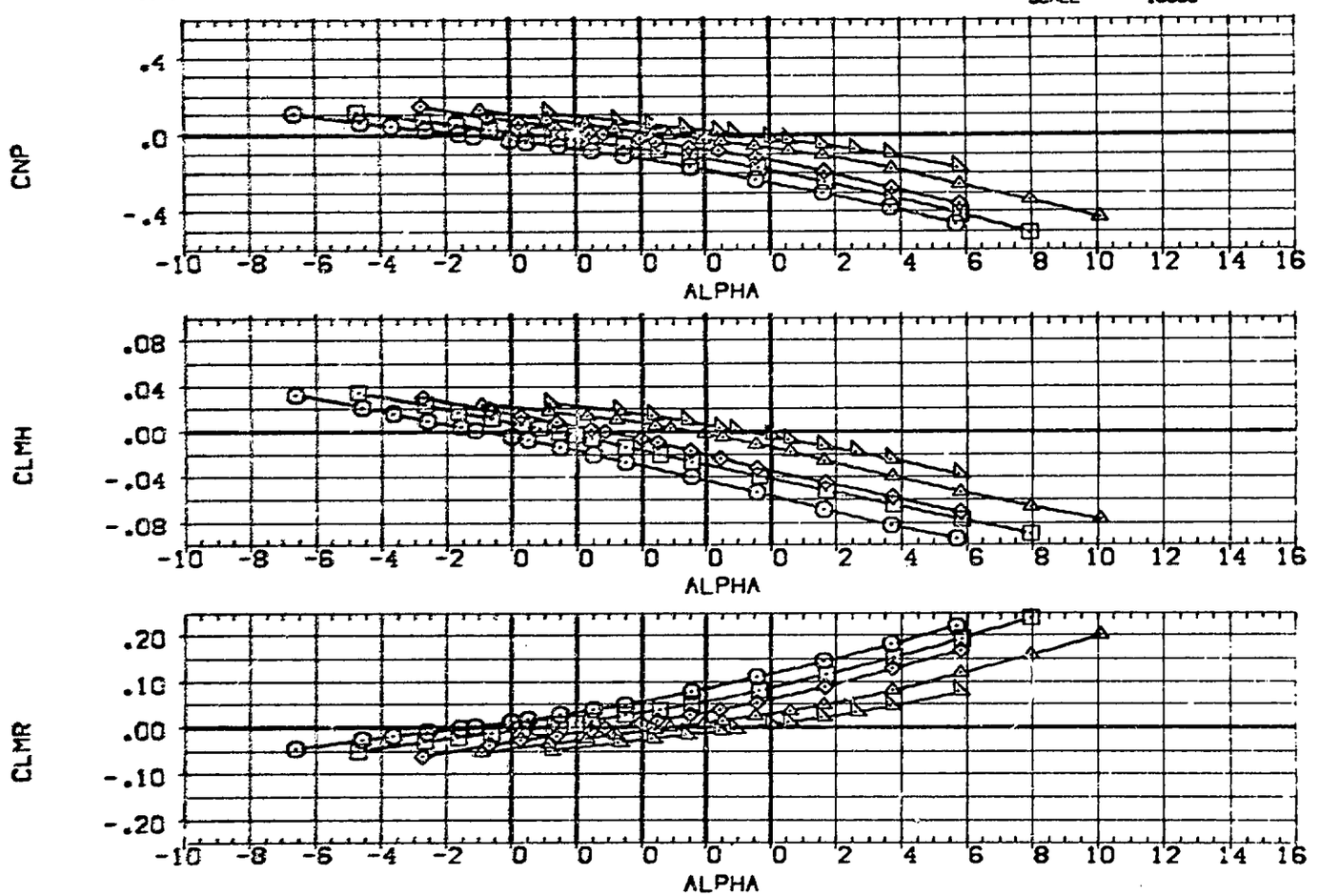
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, STEP DOWN BODY

AEDC TC 273 WRAPAROUND FIN, B2F1 (CX3U31)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCORD	7.000
□	.801	LAMBDA	.000	FIN NO	3.000
◇	.936	THETA	.000	CR/D	1.750
△	1.202	B/2D	.660		
▽	1.298				

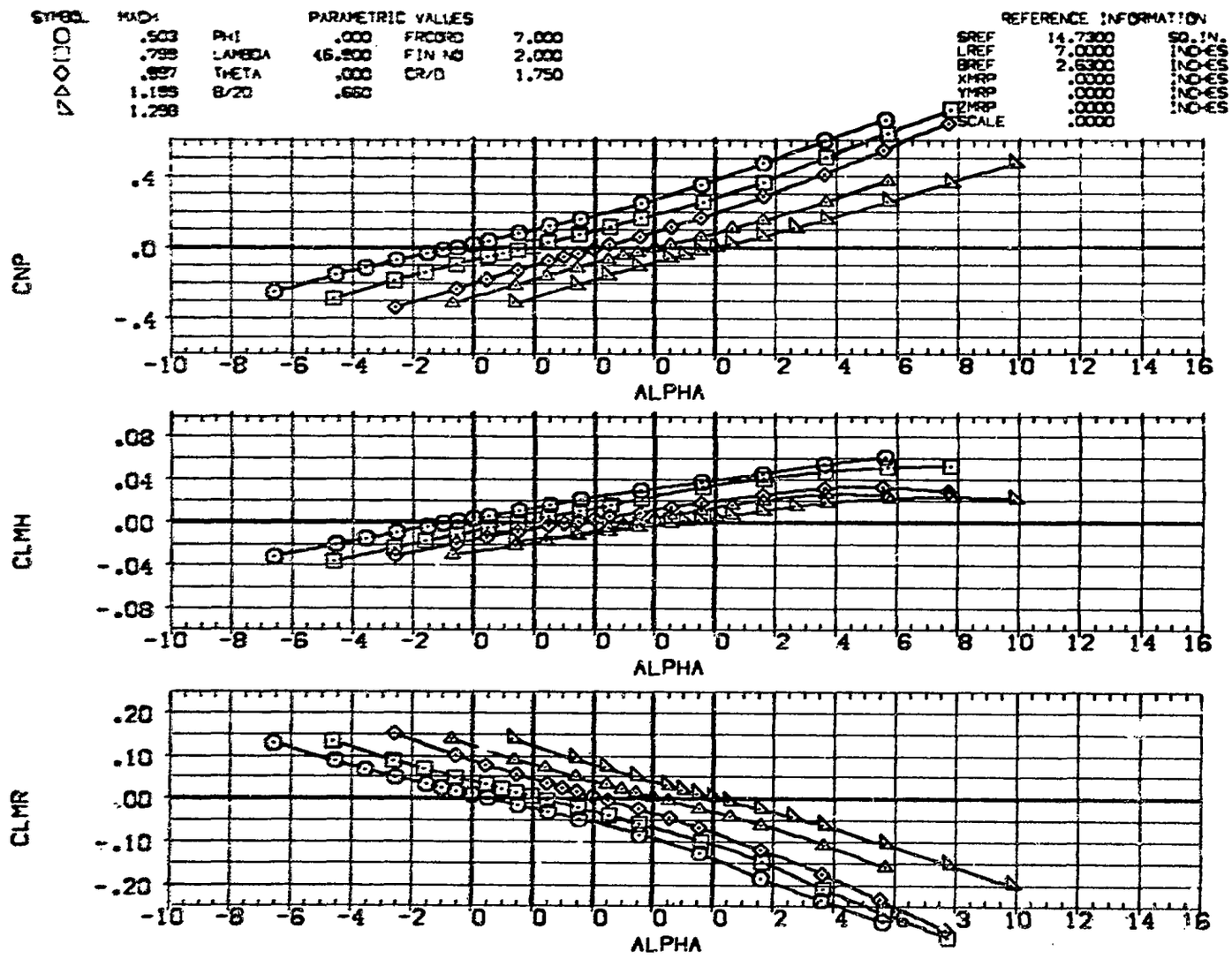
REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

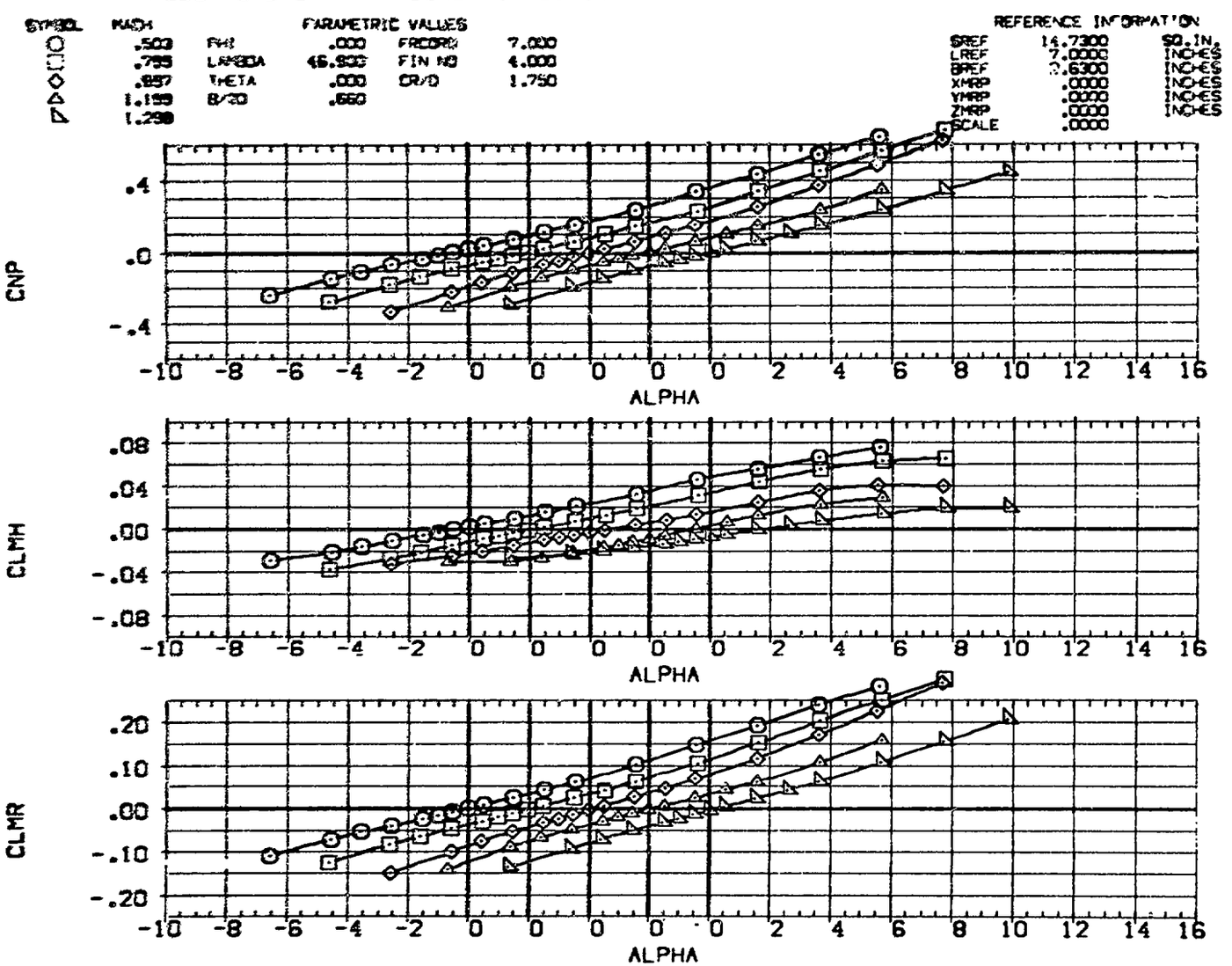


FIN NORMAL FORCE AND MOMENT COEFFICIENTS, STEP DOWN BODY

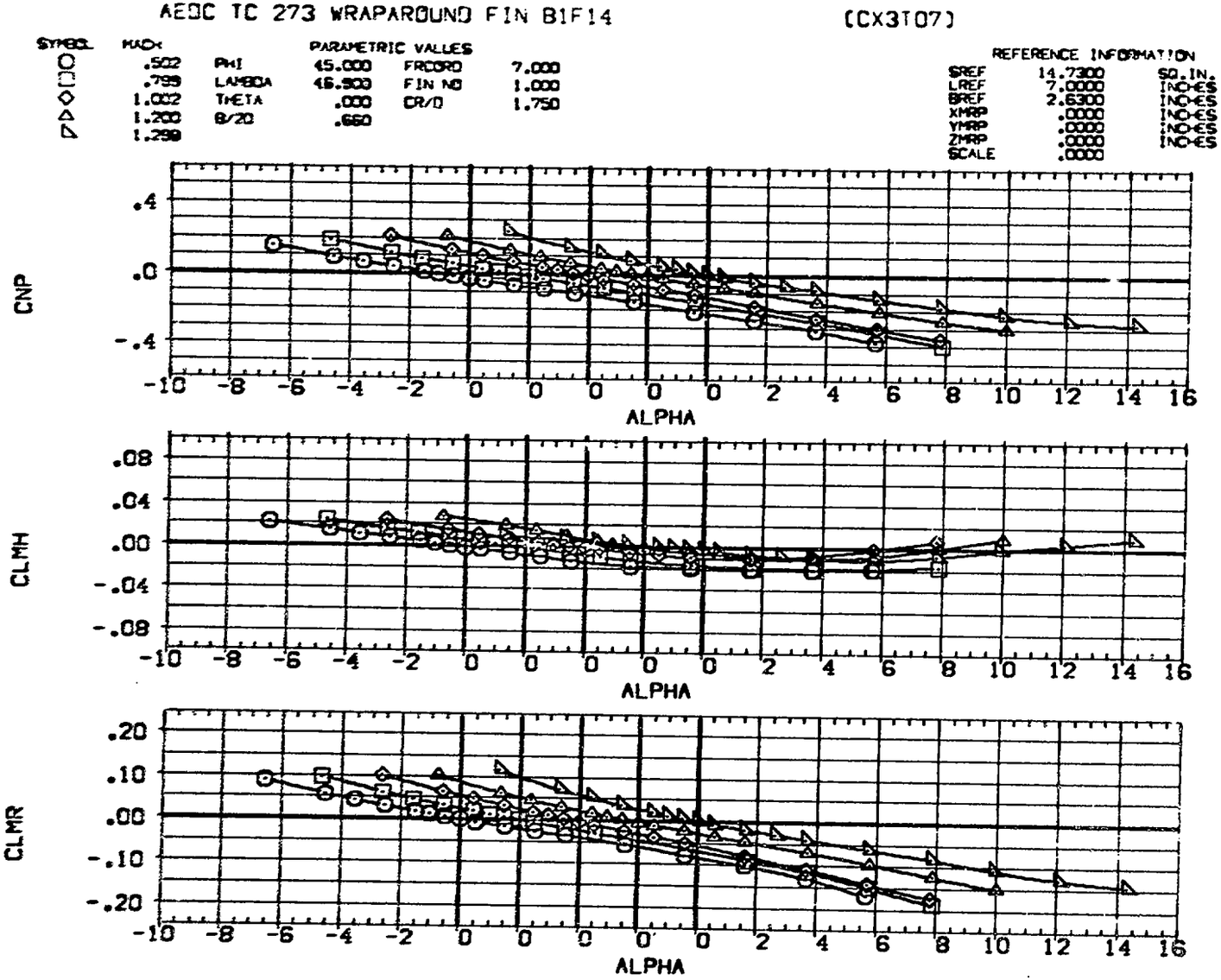
AEDC TC 273 WRAPAROUND FIN B1F14 (CX3R06)



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP



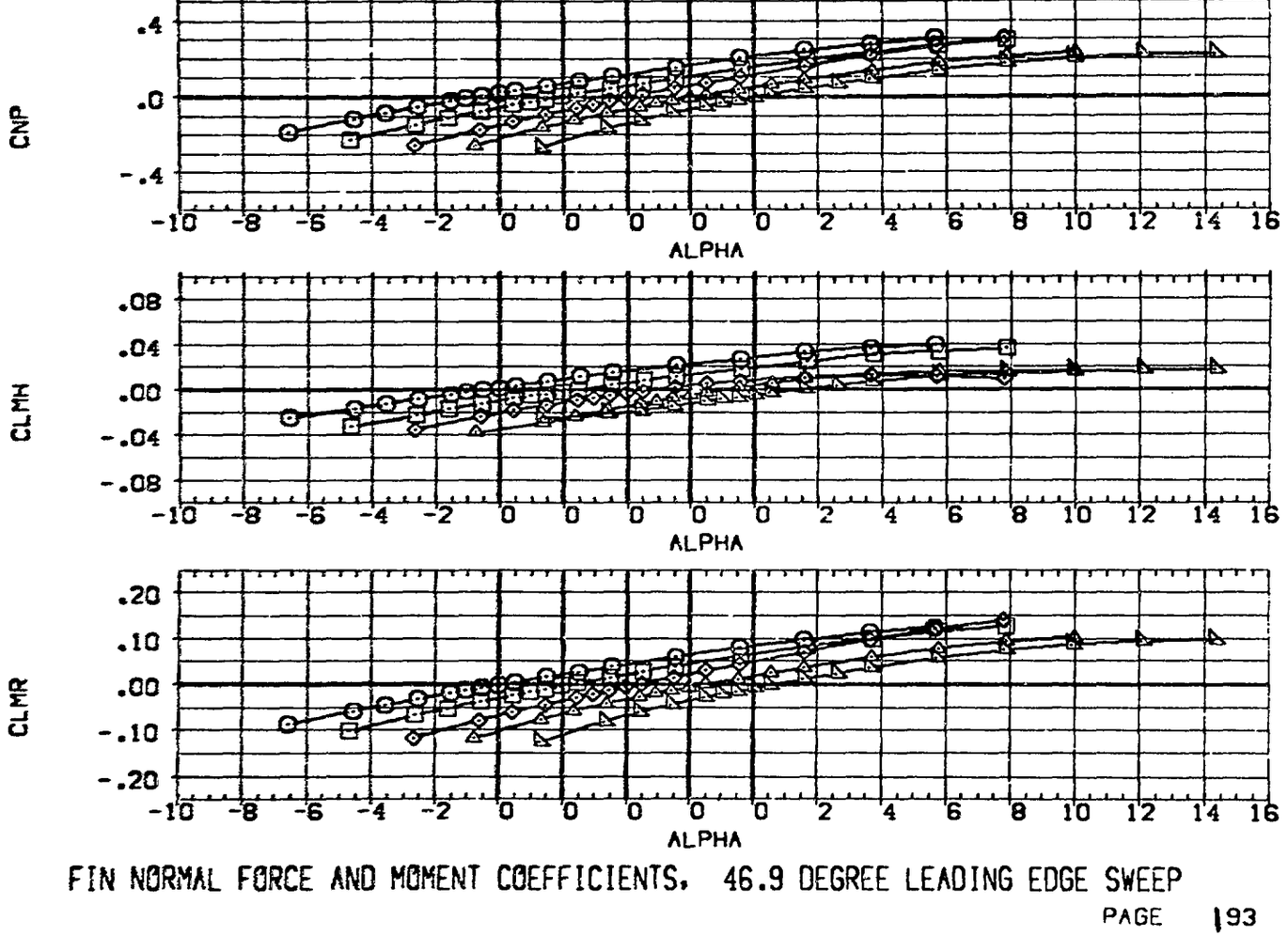
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F14 (CX3L07)

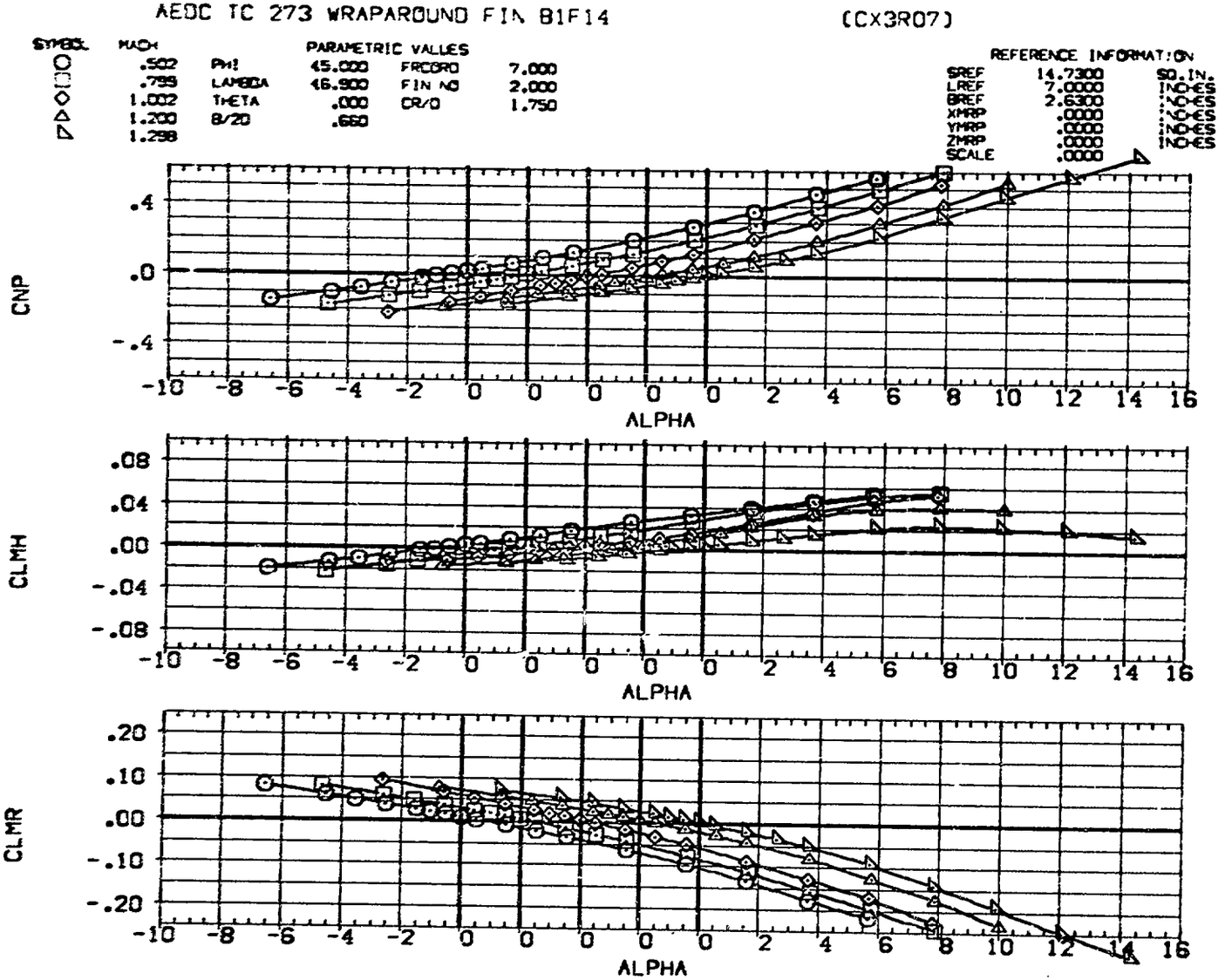
SYMBOL	MACH		PARAMETRIC VALUES		
○	.502	PHI	45.000	FRCBD	7.000
□	.799	LAMBDA	46.900	FIN NO	4.000
◇	1.002	THETA	.000	CR/D	1.750
△	1.200	B/2D	.660		
▽	1.298				

REFERENCE INFORMATION

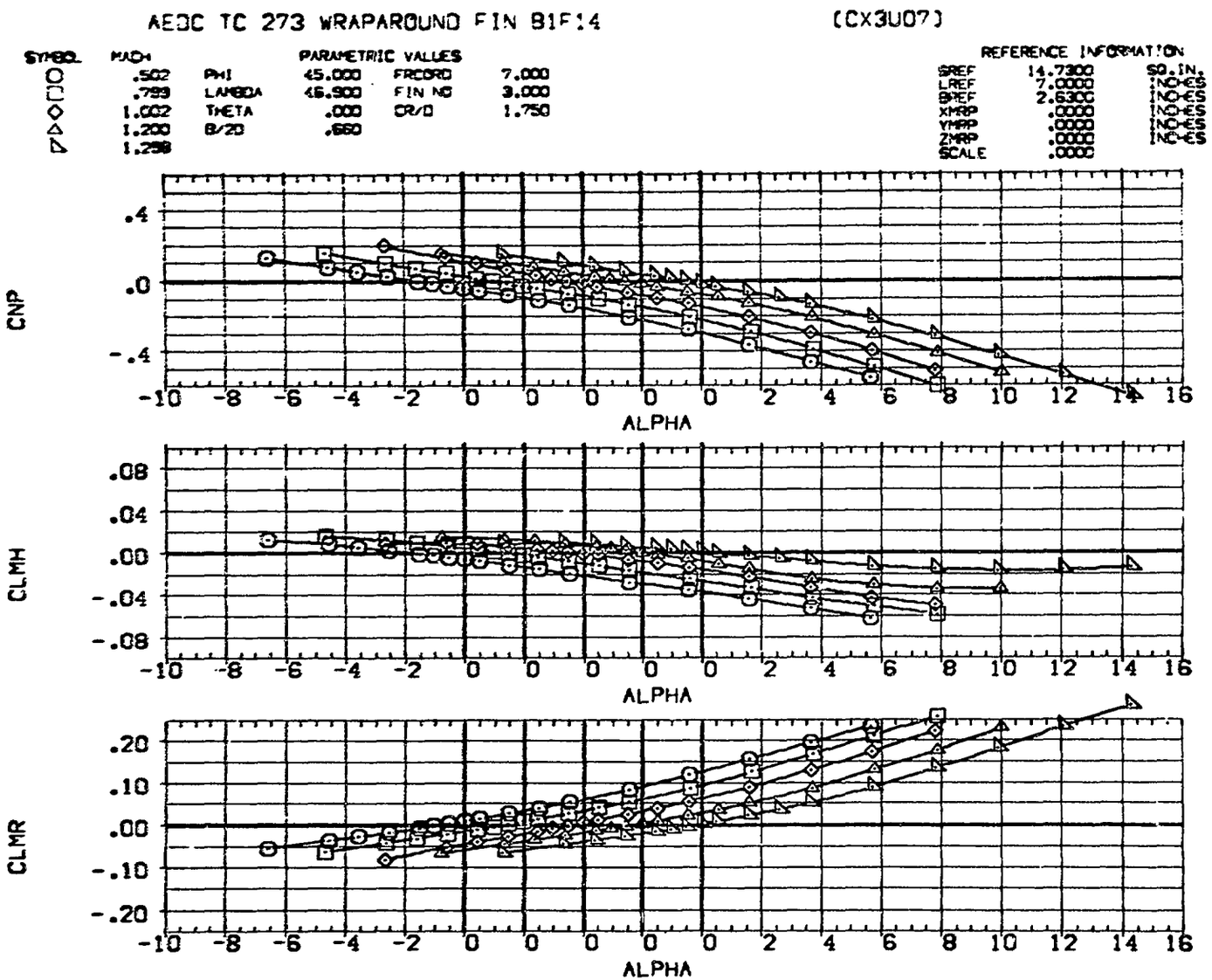
SREF	14.7300	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



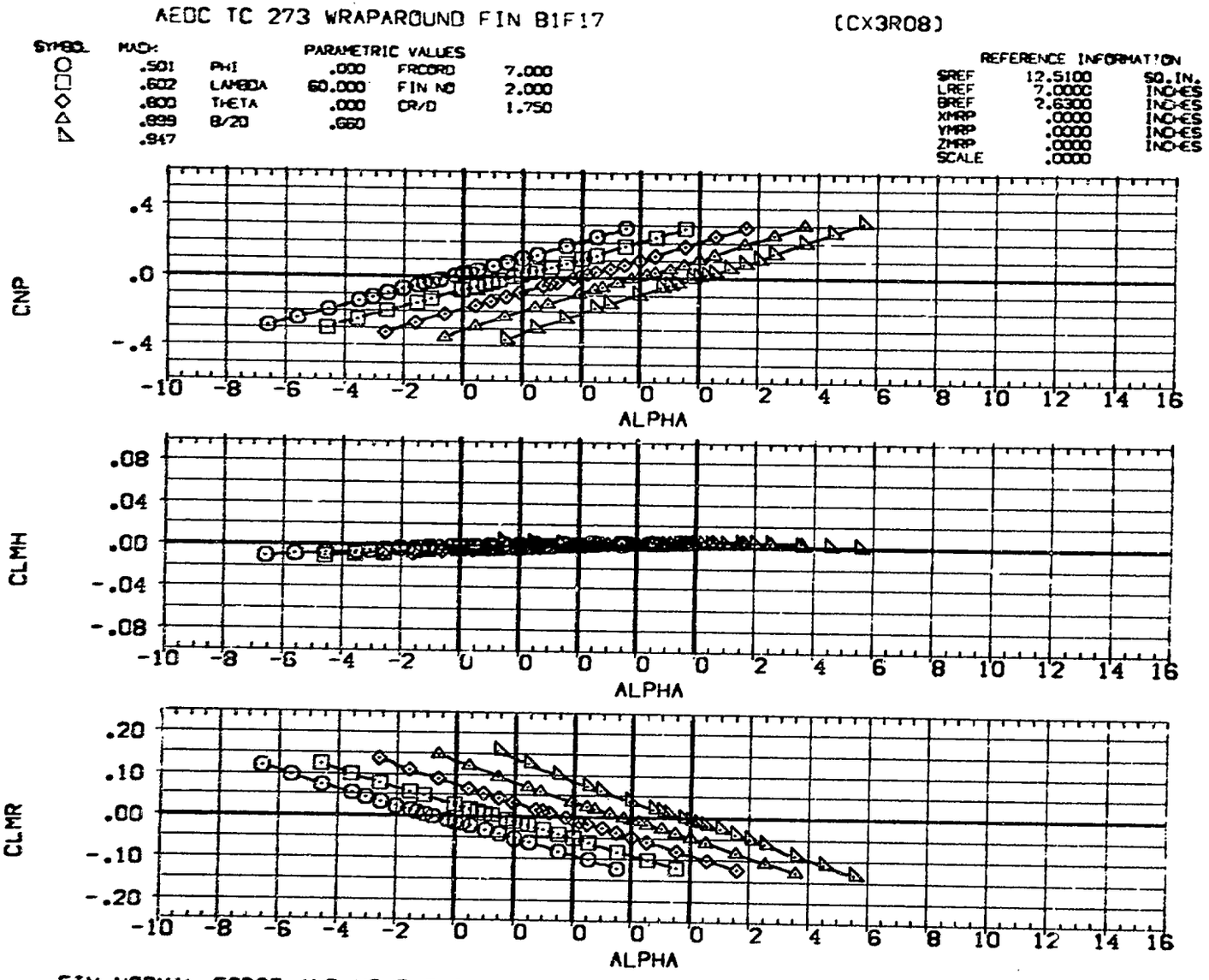
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP



FIN NORMAL FORCE AND MOMENT COEFFICIENTS. 46.9 DEGREE LEADING EDGE SWEEP



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP



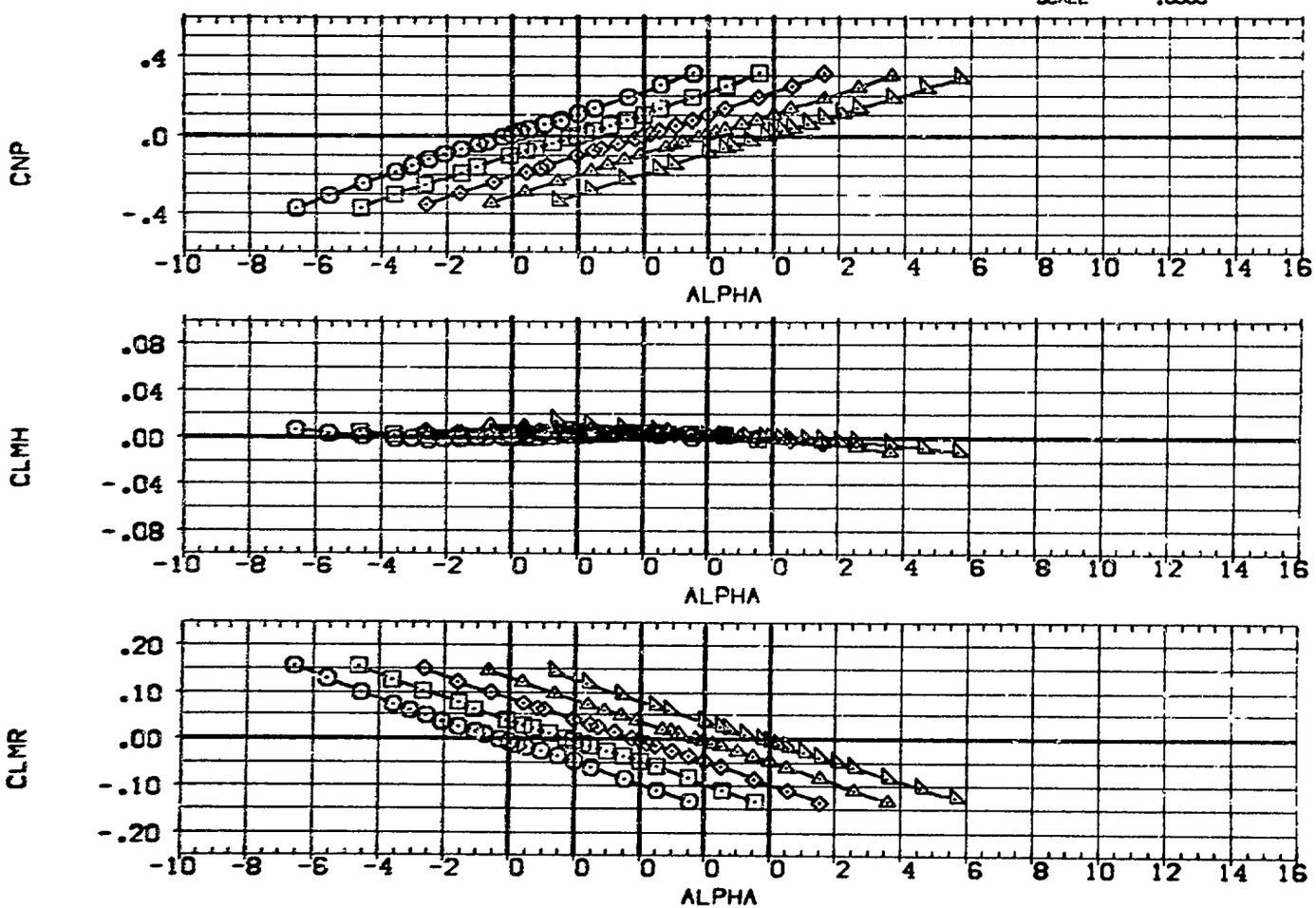
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3R08)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	.000	FRCORD	7.000
□	1.055	LAMBDA	60.000	FIN NO	2.000
◇	1.098	THETA	.000	CR/D	1.750
△	1.196	B/2D	.660		
◁	1.297				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



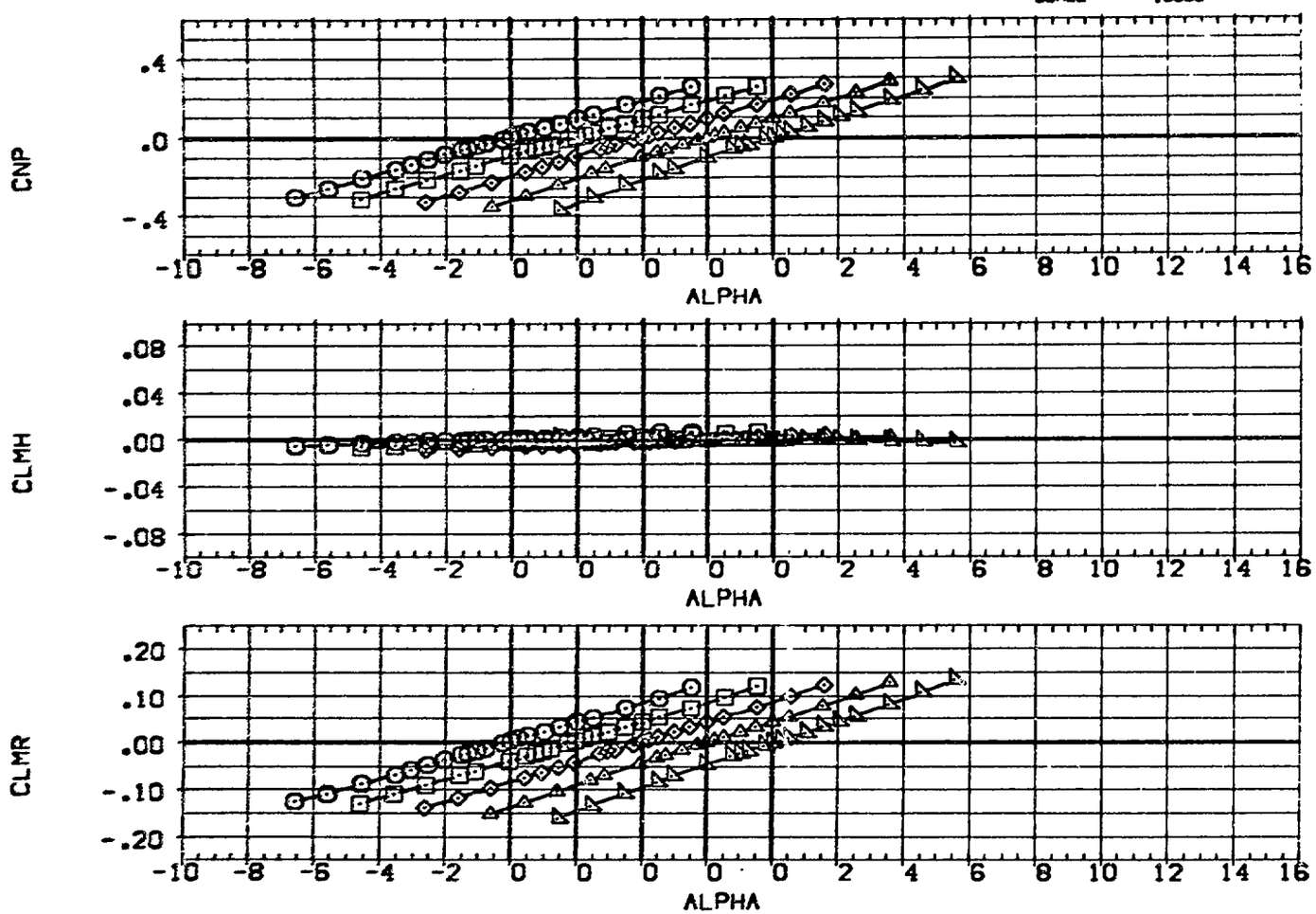
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3L08)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	.000	FRCORD	7.000
◇	.602	LAMBDA	60.000	FIN NO	4.000
△	.800	THETA	.000	CR/D	1.750
	.899	B/2D	.660		
	.947				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



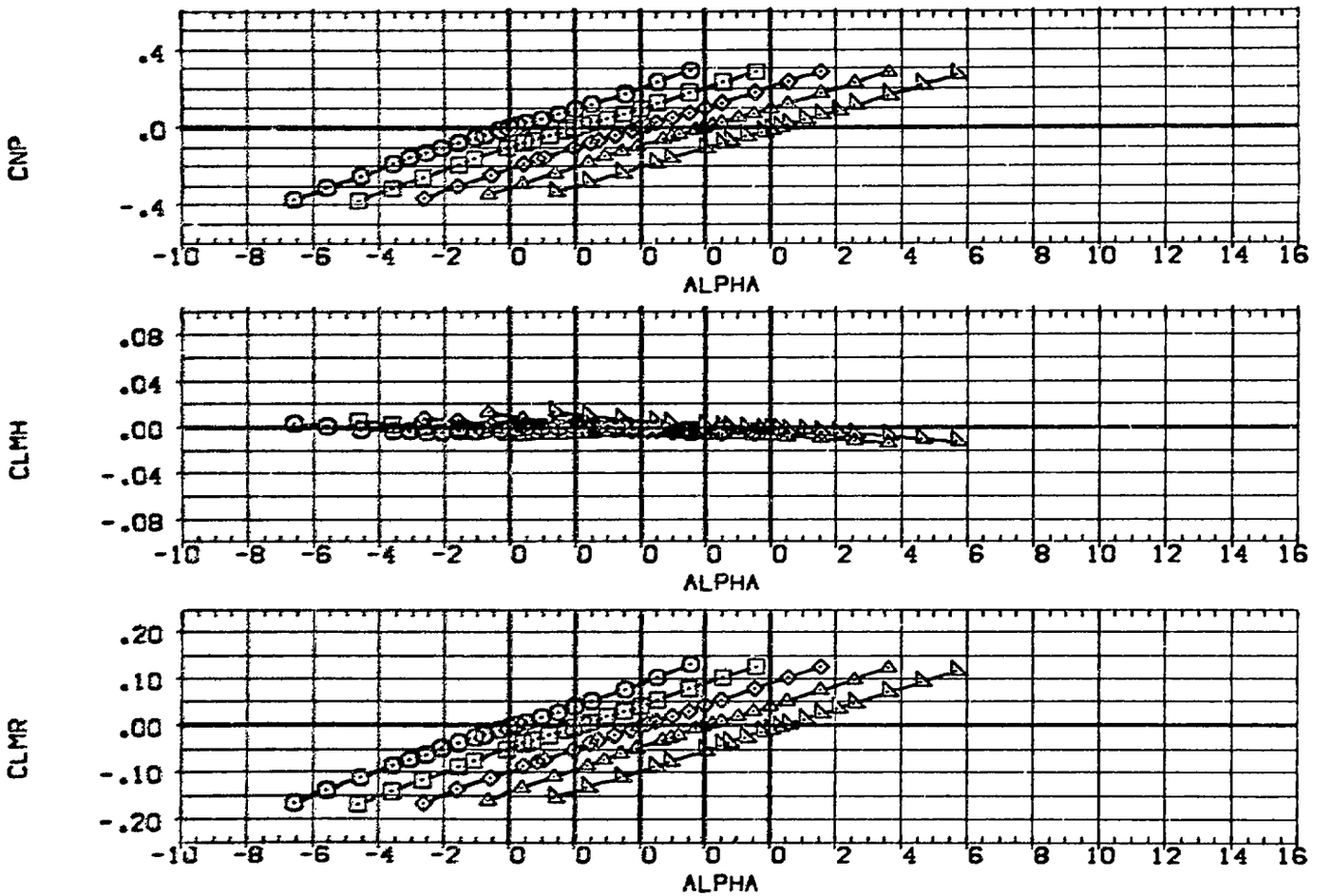
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3L08)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	.000	FRCORD	7.000
□	1.055	LAMBDA	60.000	FIN NO	4.000
◇	1.098	THETA	.000	CR/D	1.750
△	1.196	B/2D	.660		
▽	1.297				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



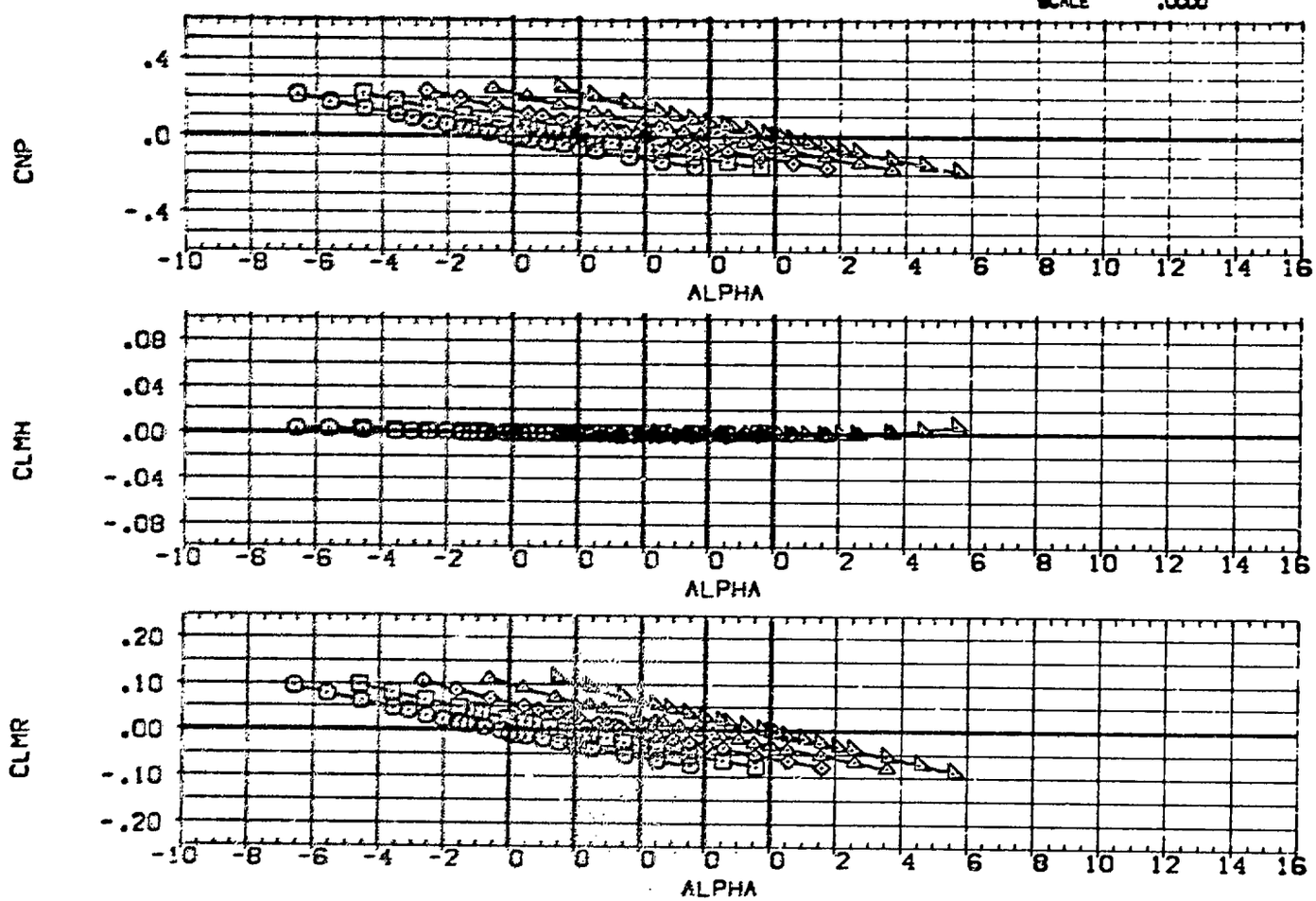
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3T09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	15.000	FRCORD	7.000
□	.603	LAMBDA	60.000	FIN NO	1.000
◇	.800	THETA	.000	CR/D	1.750
△	.899	B/2D	.660		
▽	.949				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



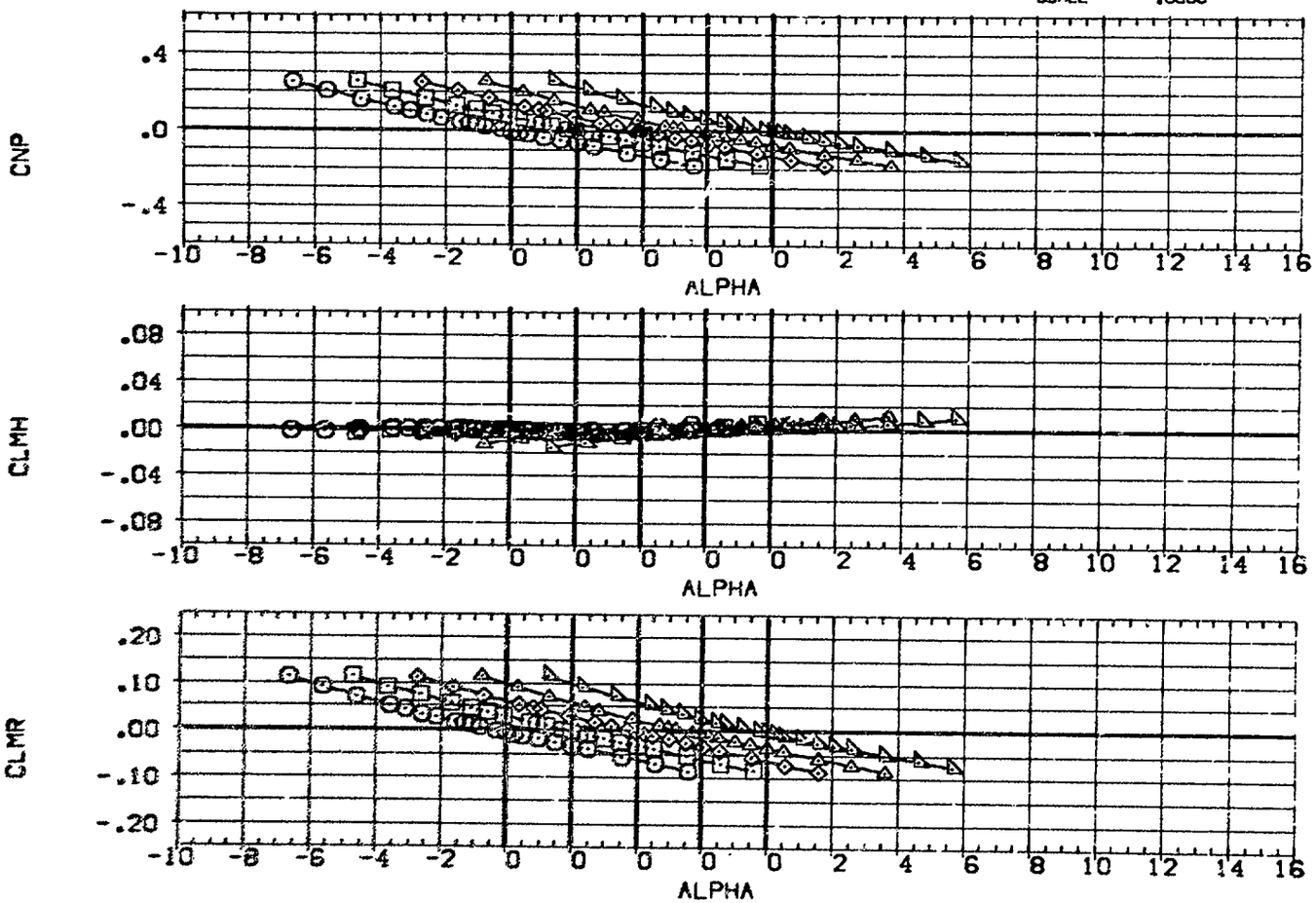
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3T09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	45.000	FRCORD	7.000
□	1.047	LAMBDA	60.000	FIN NO	1.000
◇	1.103	THETA	.000	CR/D	1.750
△	1.198	B/2D	.660		
▽	1.296				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



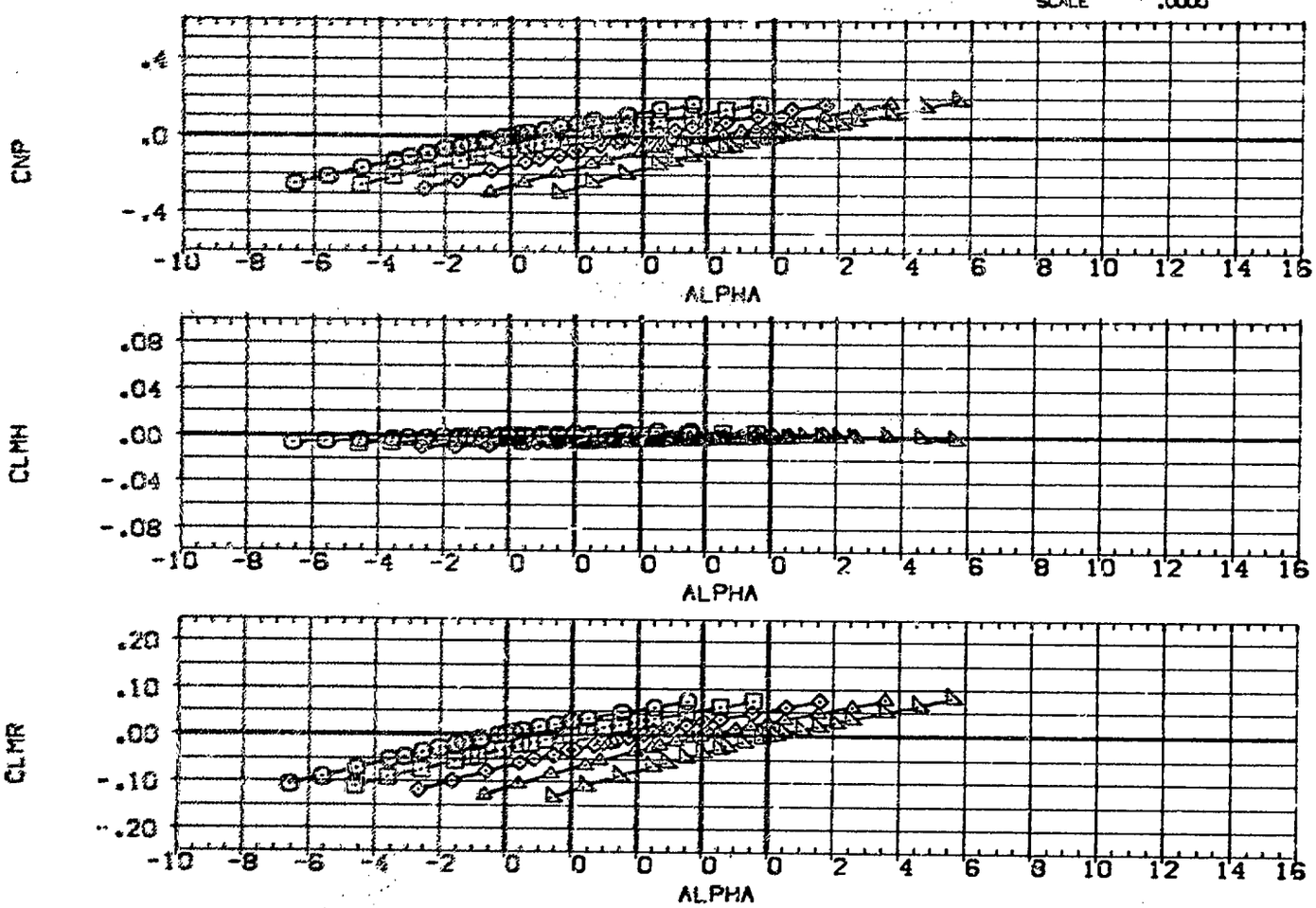
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3L09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCORG	7.000
□	.600	LAMBDA	60.000	FIN NO	4.000
◇	.800	THETA	.000	CR/B	1.750
△	.899	B/2S	.660		
▽	.948				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



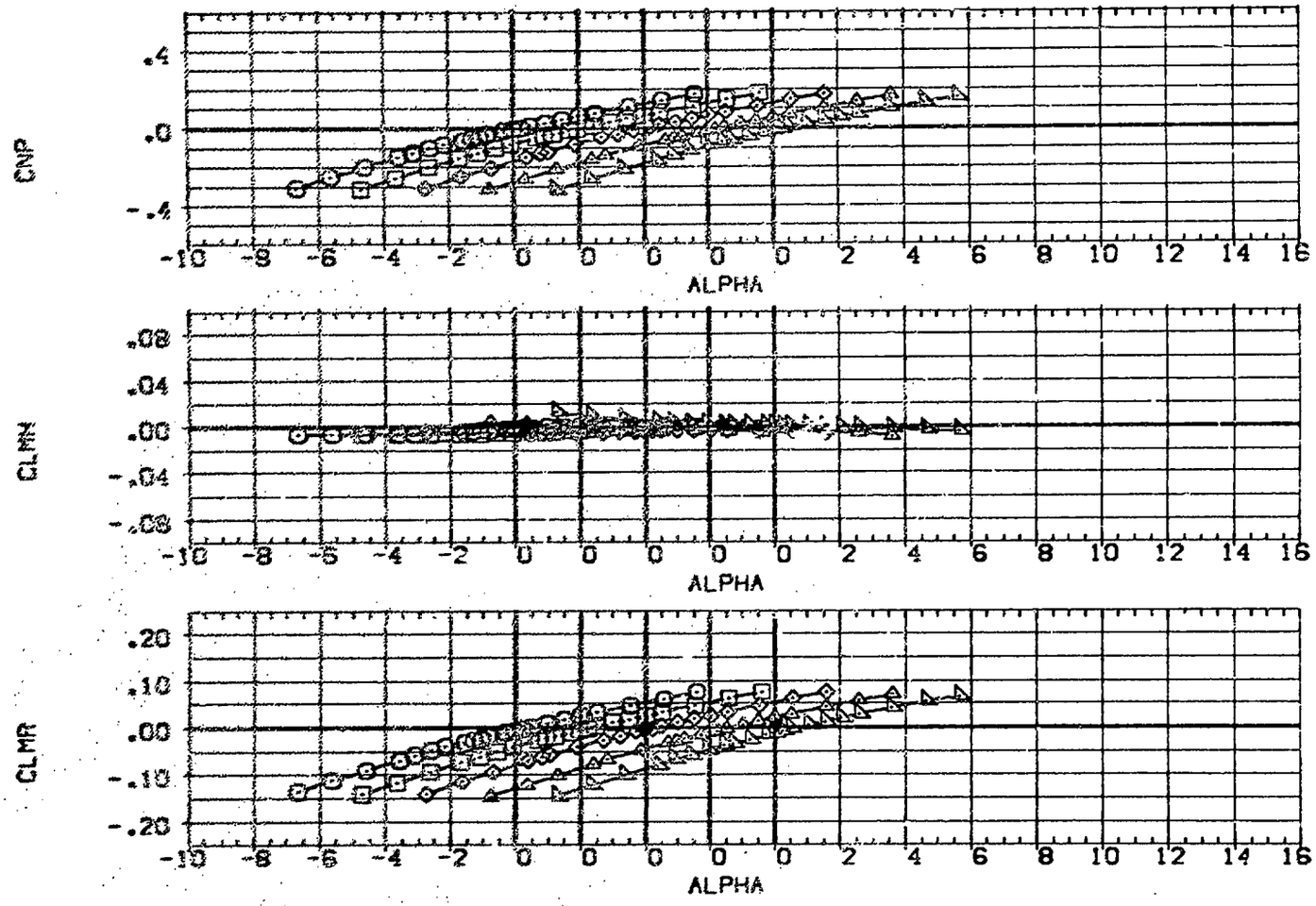
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3L09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	45.000	FRUSTO	7.000
□	1.047	LAMBDA	60.000	FIN NO	4.000
◇	1.102	THETA	.000	CR/C	1.750
△	1.152	B/2C	.660		
▽	1.296				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



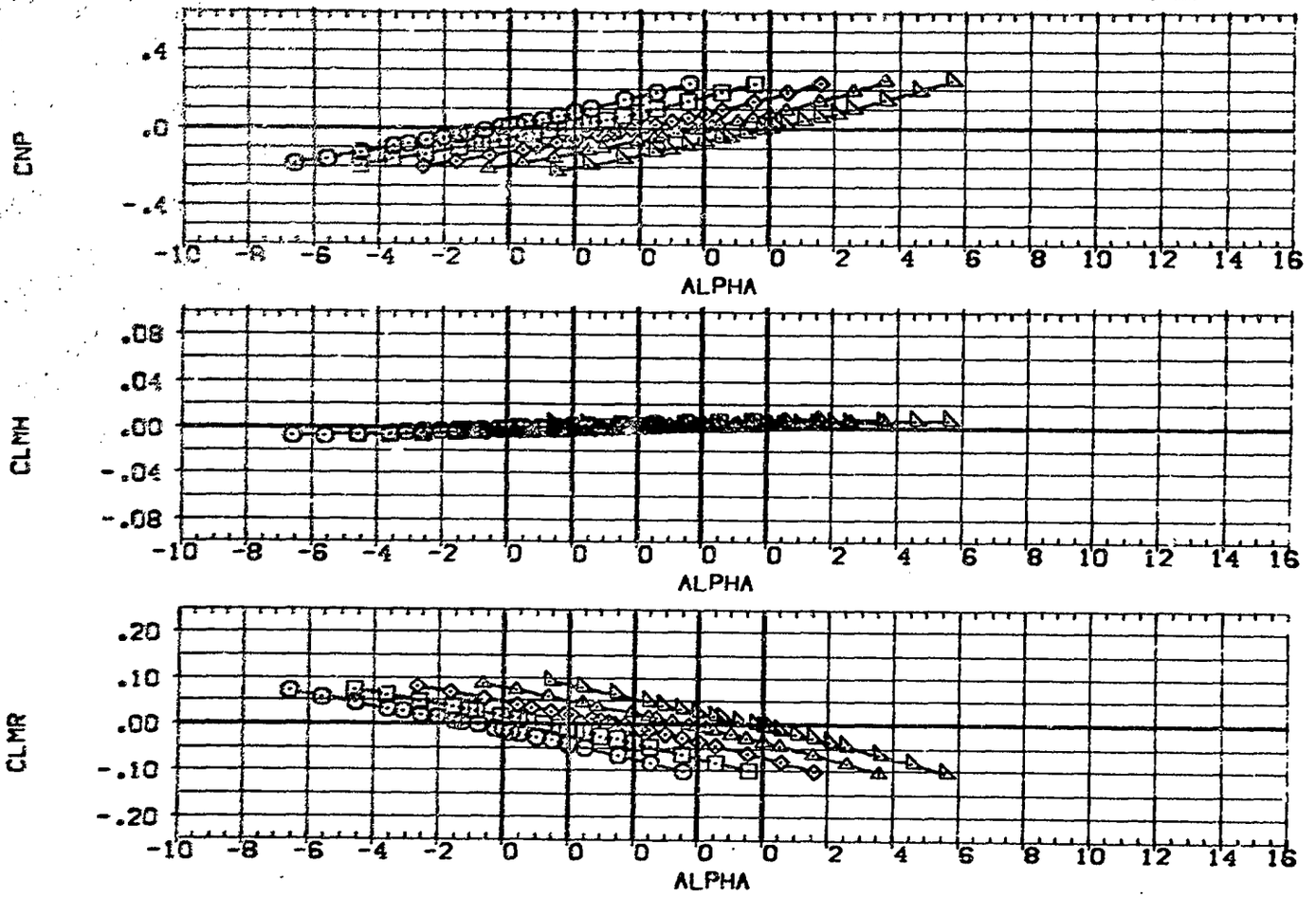
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3R09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCORD	7.000
□	.603	LAMBDA	60.000	FIN NO	2.000
◇	.800	THETA	.000	CR/D	1.750
△	.899	B/2D	.620		
▽	.848				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



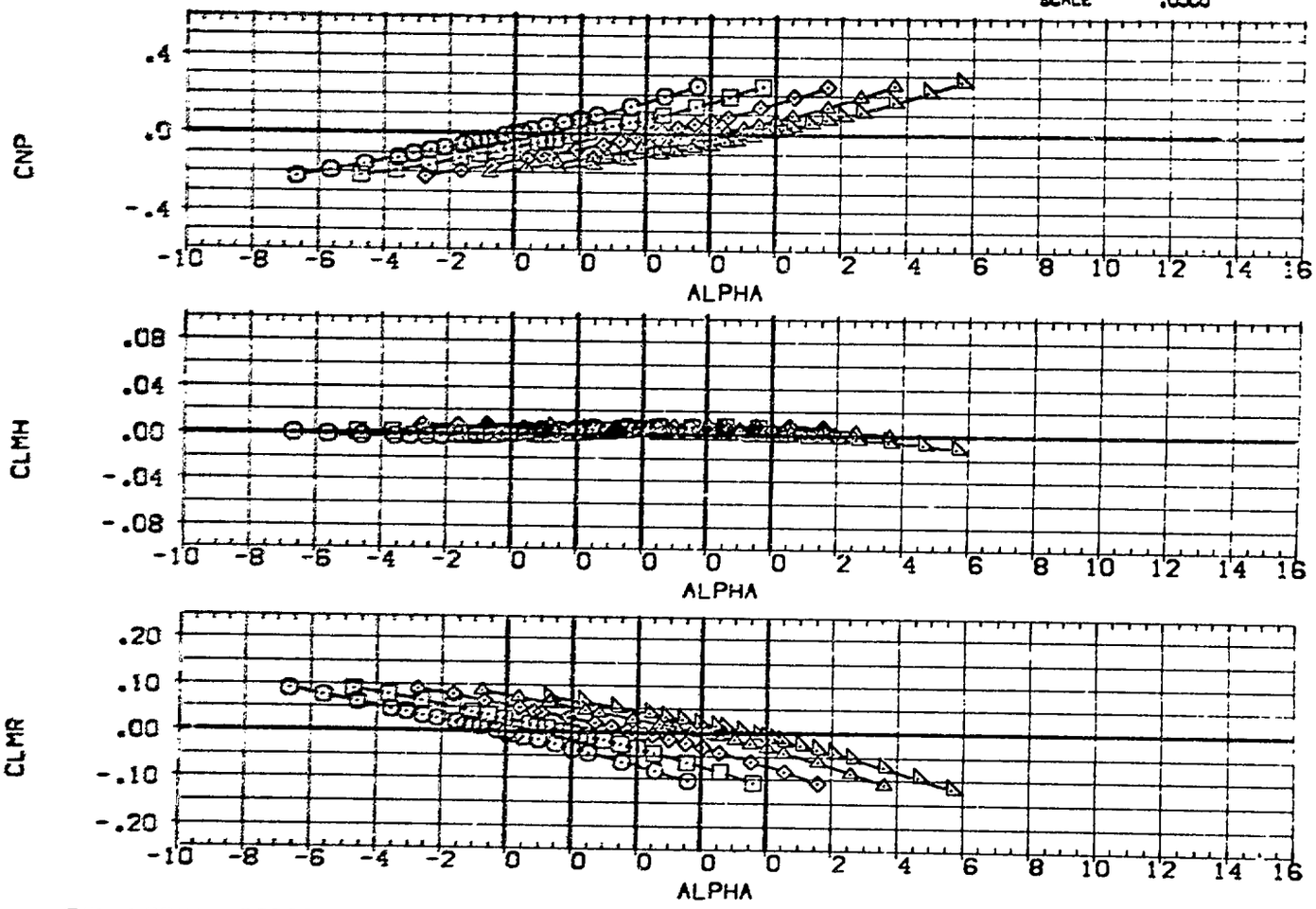
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F17 (CX3R09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	45.000	FRCORD	7.000
□	1.047	LAMBDA	60.000	FIN NO	2.000
◇	1.103	THETA	.000	CR/D	1.750
△	1.198	B/2D	.660		
▽	1.296				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

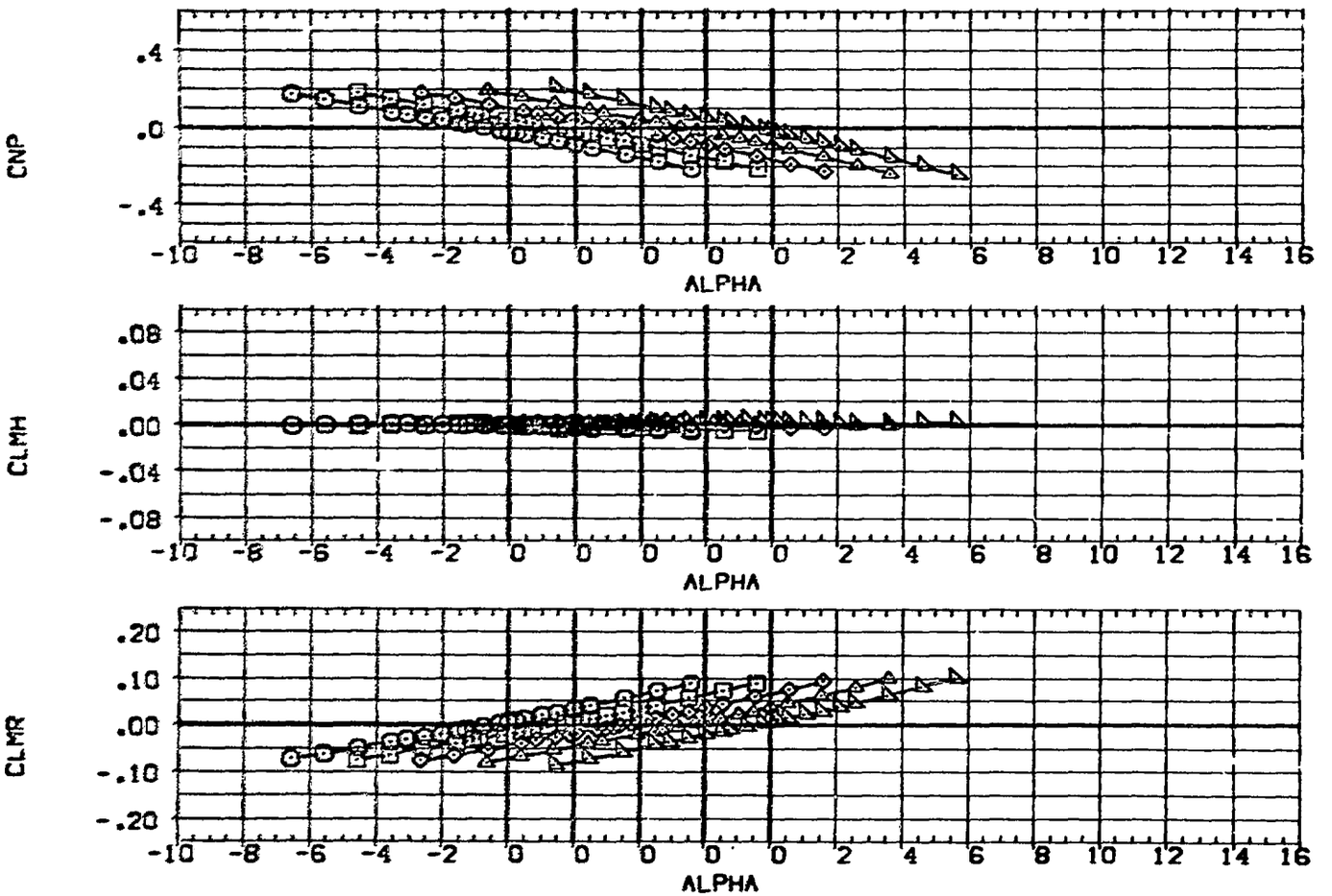


FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN BIF17 (CX3U09)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCORD	7.000
△	.603	LAMBDA	60.000	FIN NS	3.000
◇	.800	THETA	.000	CR/D	1.750
□	.899	B/2D	.660		
▽	.918				

REFERENCE INFORMATION		
SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



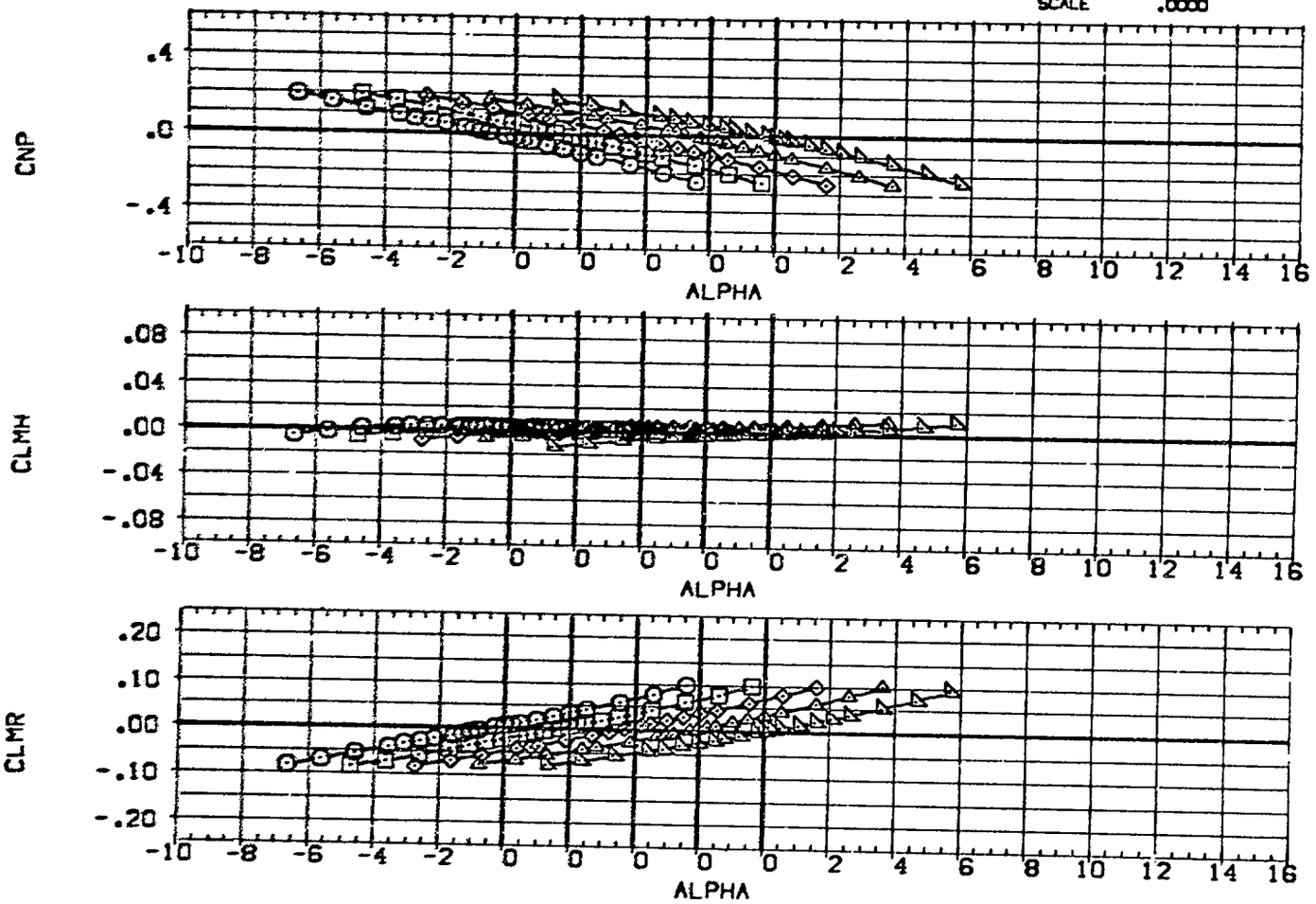
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN 81F17 (CX3U09)

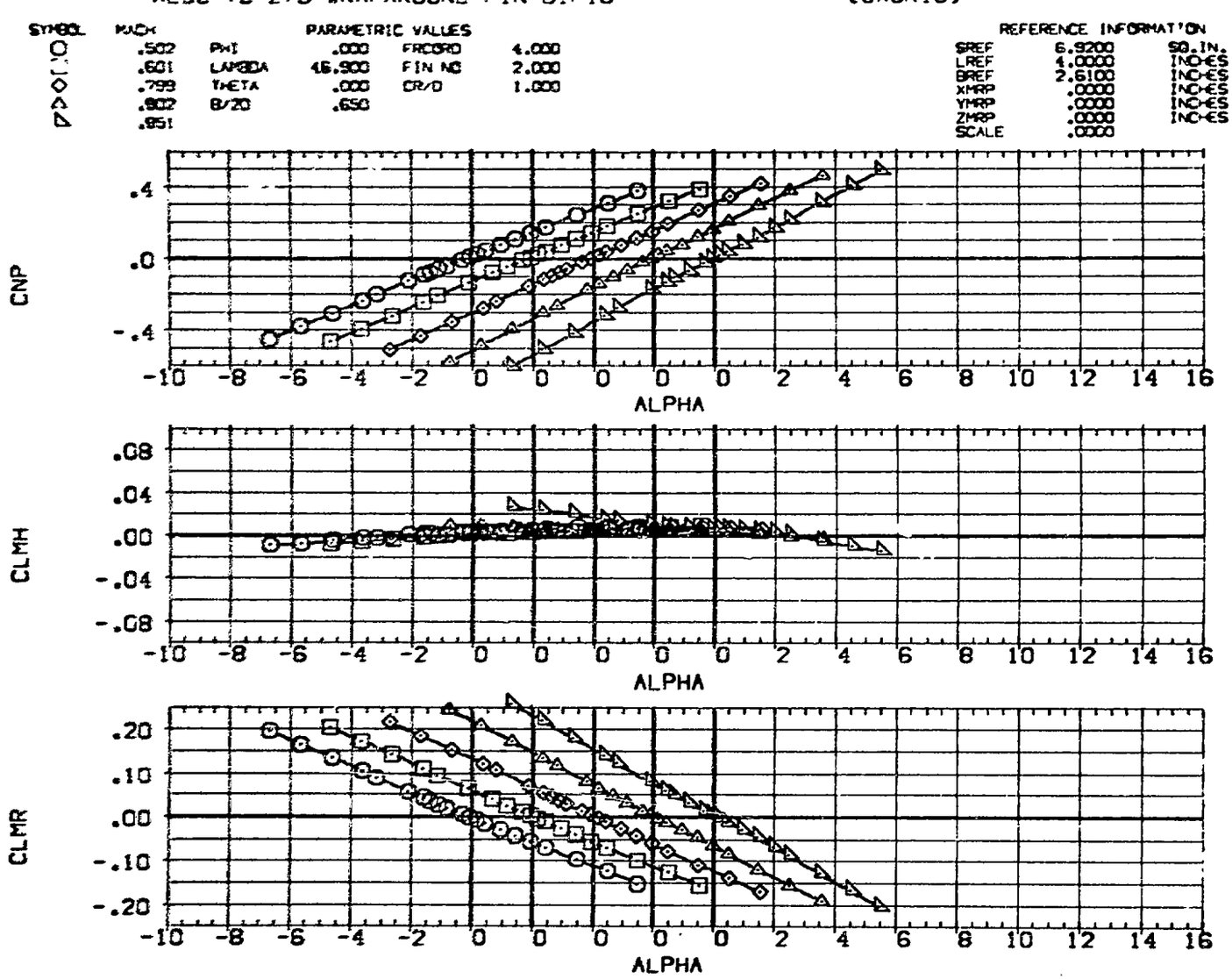
SYMBOL	MACH		PARAMETRIC VALUES		
○	1.000	PHI	45.000	FRCORD	7.000
□	1.047	LAMBDA	60.000	FIN NO	3.000
◇	1.103	THETA	.000	CR/D	1.750
△	1.196	B/2D	.660		
▽	1.296				

REFERENCE INFORMATION

SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 60.0 DEGREE LEADING EDGE SWEEP



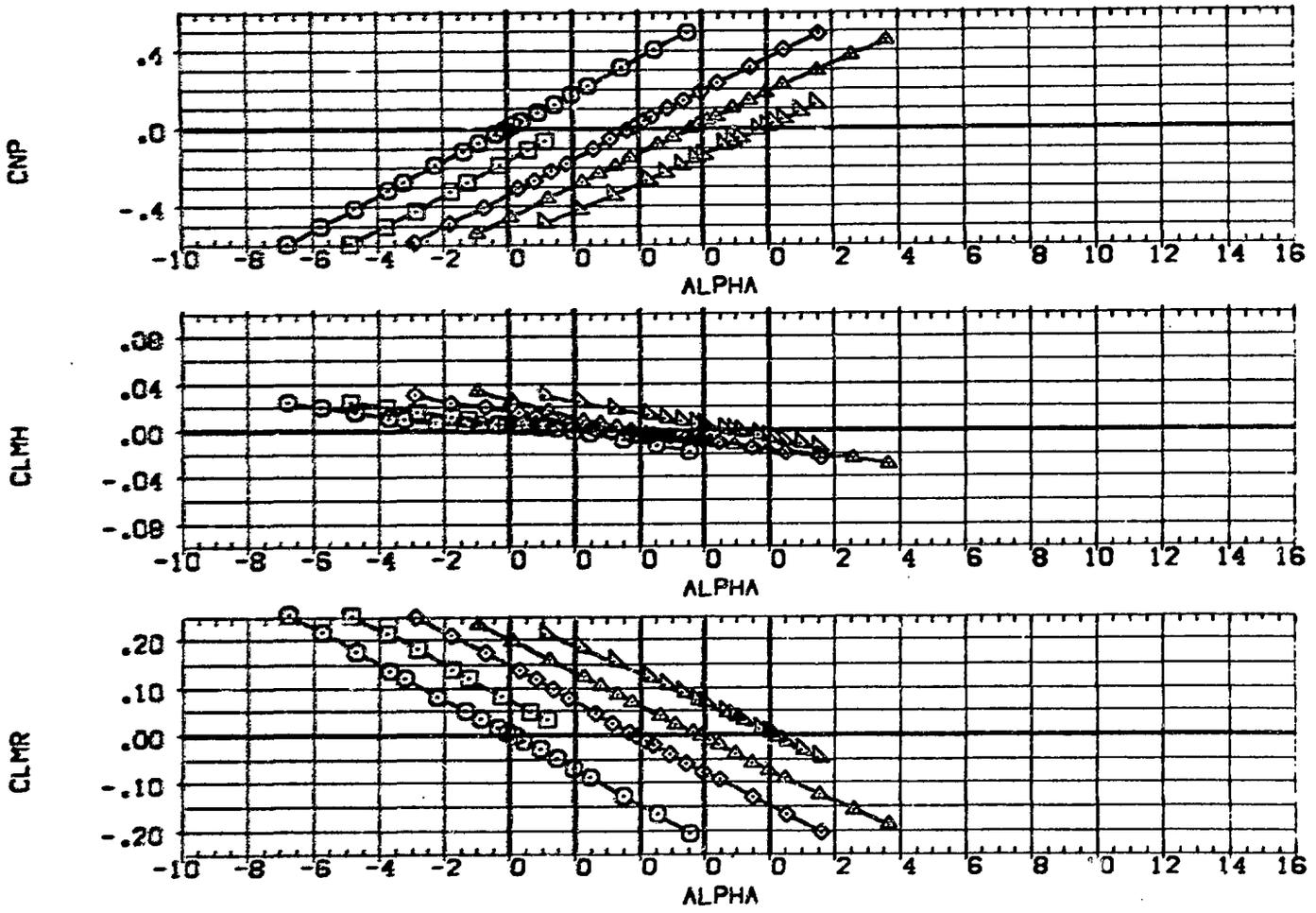
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F18 (CX3R10)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.855	PHI	.000	FRCORD	4.000
□	1.054	LAMBDA	46.900	FIN NO	2.000
◇	1.101	THETA	.000	CR/D	1.000
△	1.155	B/2D	.650		
▷	1.235				

REFERENCE INFORMATION

SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



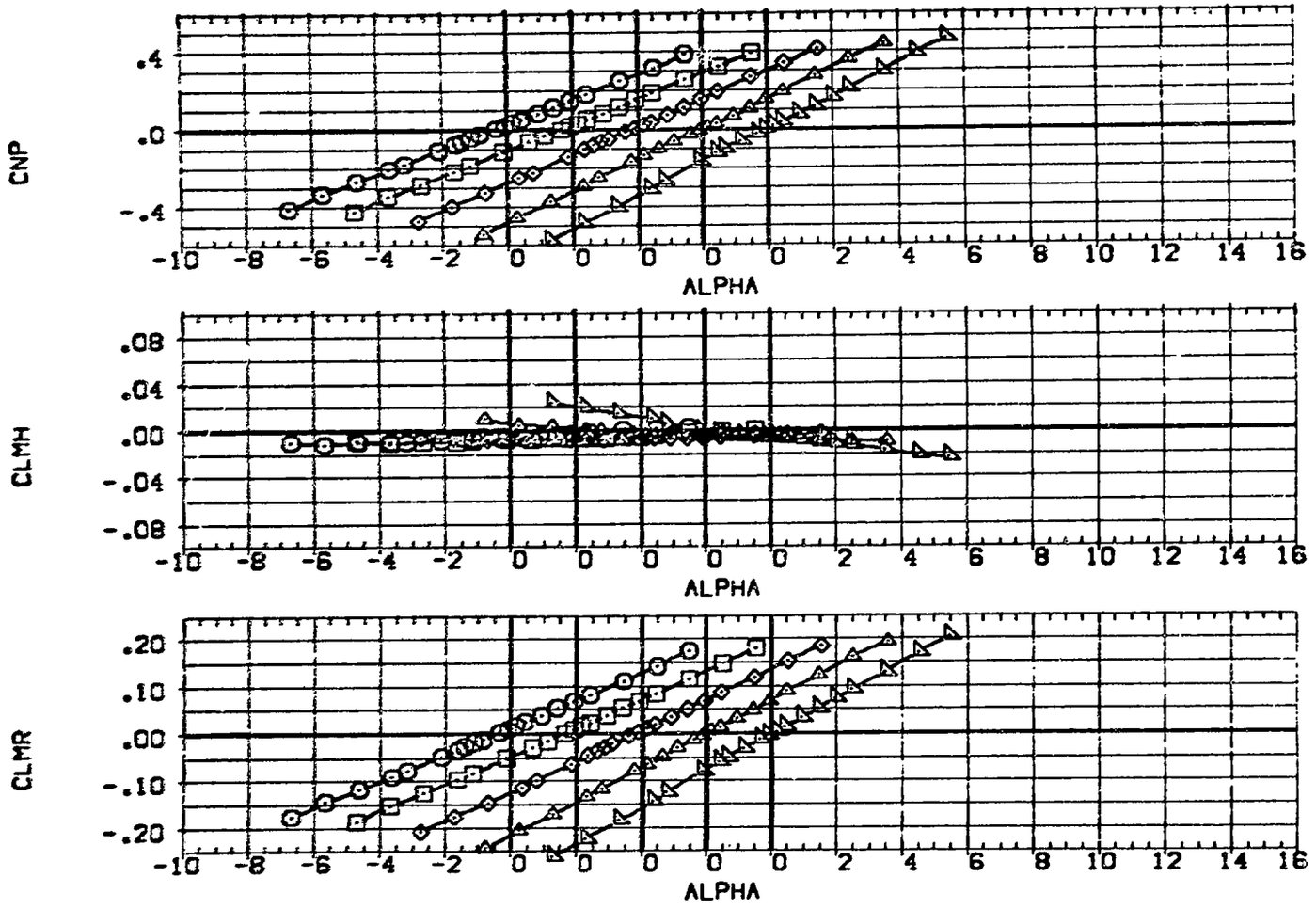
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F18 (CX3L10)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.502	PHI	.000	FRCORD	4.000
□	.601	LAMBDA	46.900	FIN NO	4.000
◇	.799	THETA	.000	CR/D	1.000
△	.802	6/20	.650		
▷	.951				

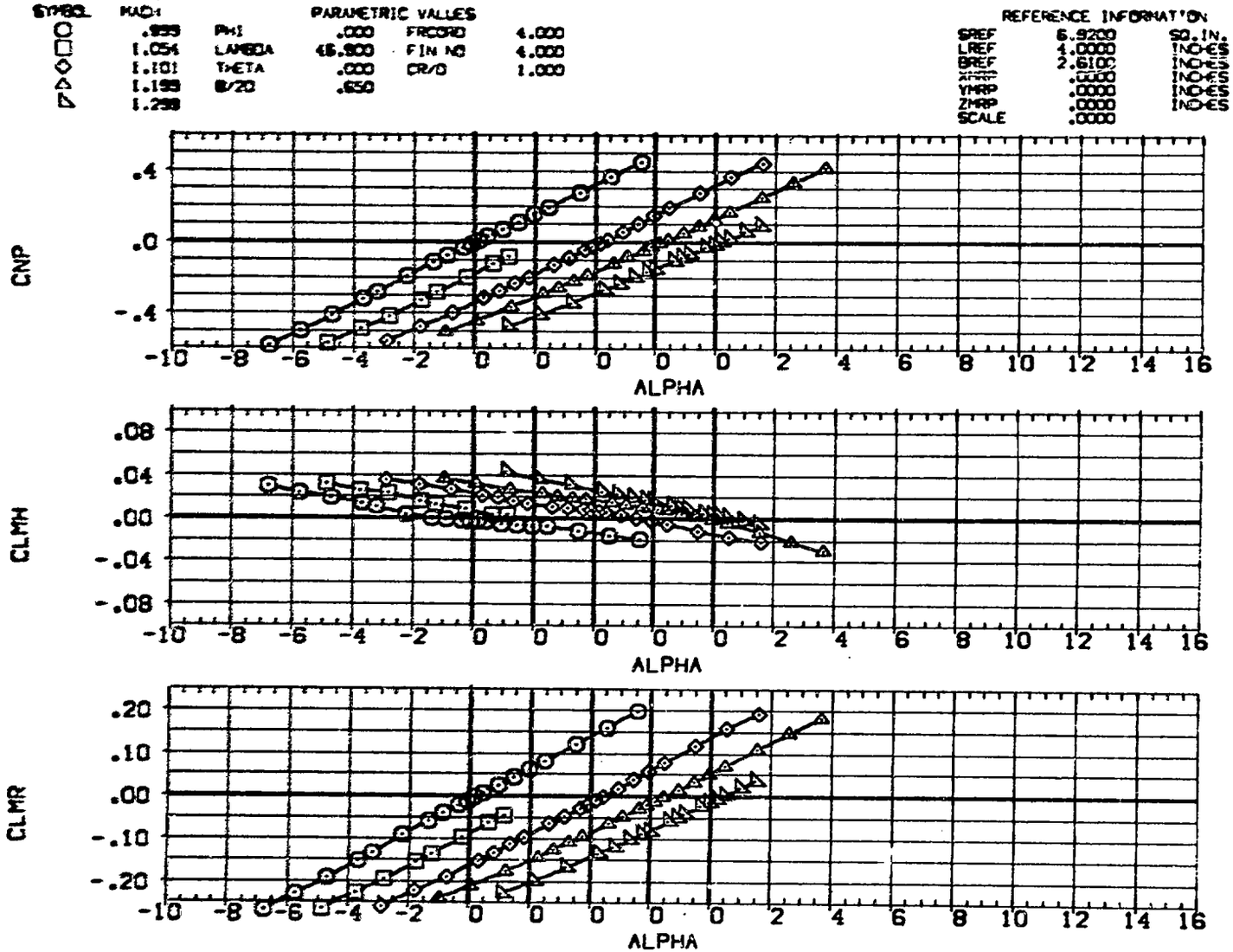
REFERENCE INFORMATION

SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F18 (CX3L10)



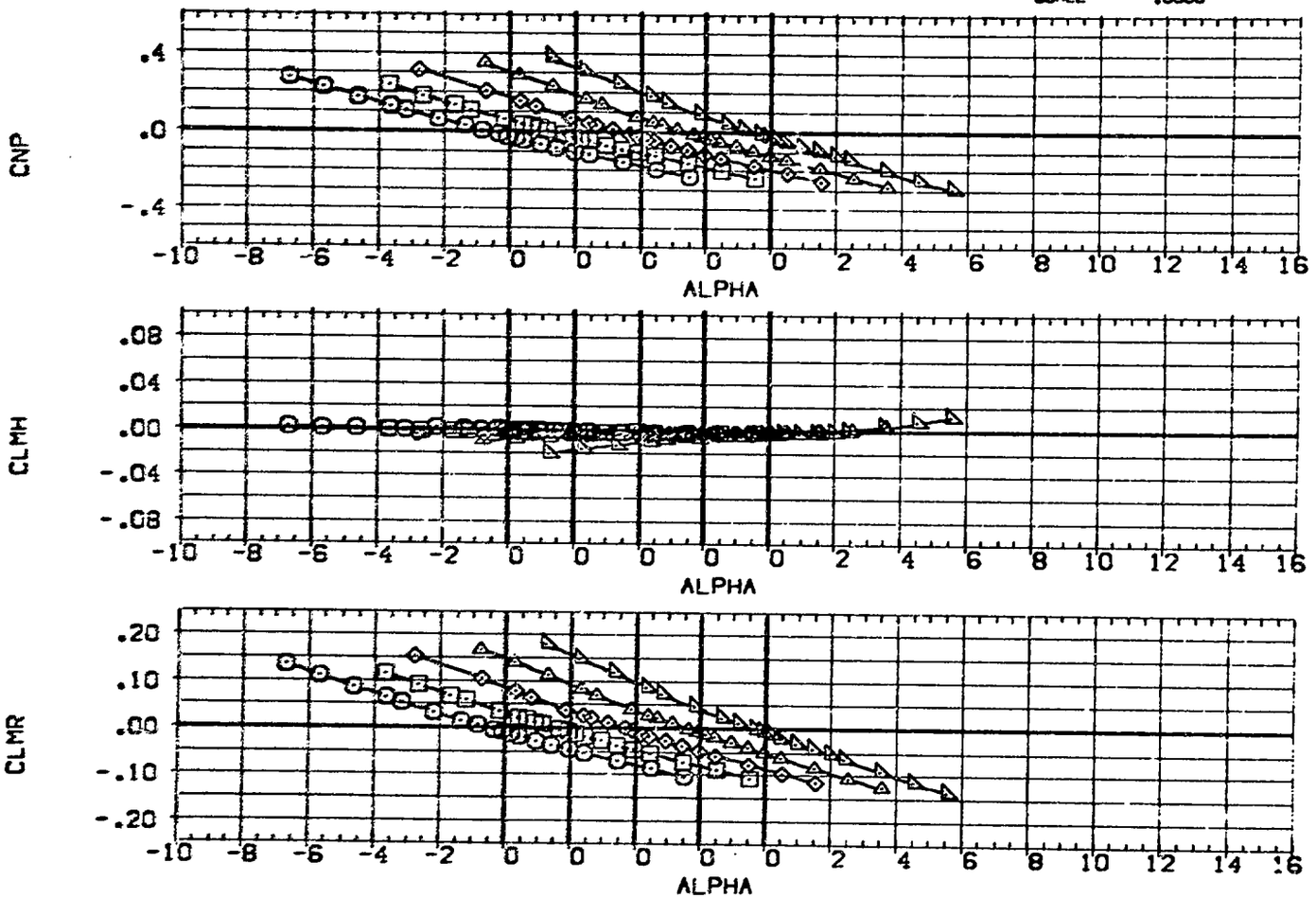
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F18 (CX3T11)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.506	PHI	45.000	FRCORD	4.000
□	.603	LAMBDA	46.900	FIN NO	1.000
◇	.799	THETA	.000	CR/D	1.000
△	.898	B/2D	.650		
▽	.951				

REFERENCE INFORMATION

SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



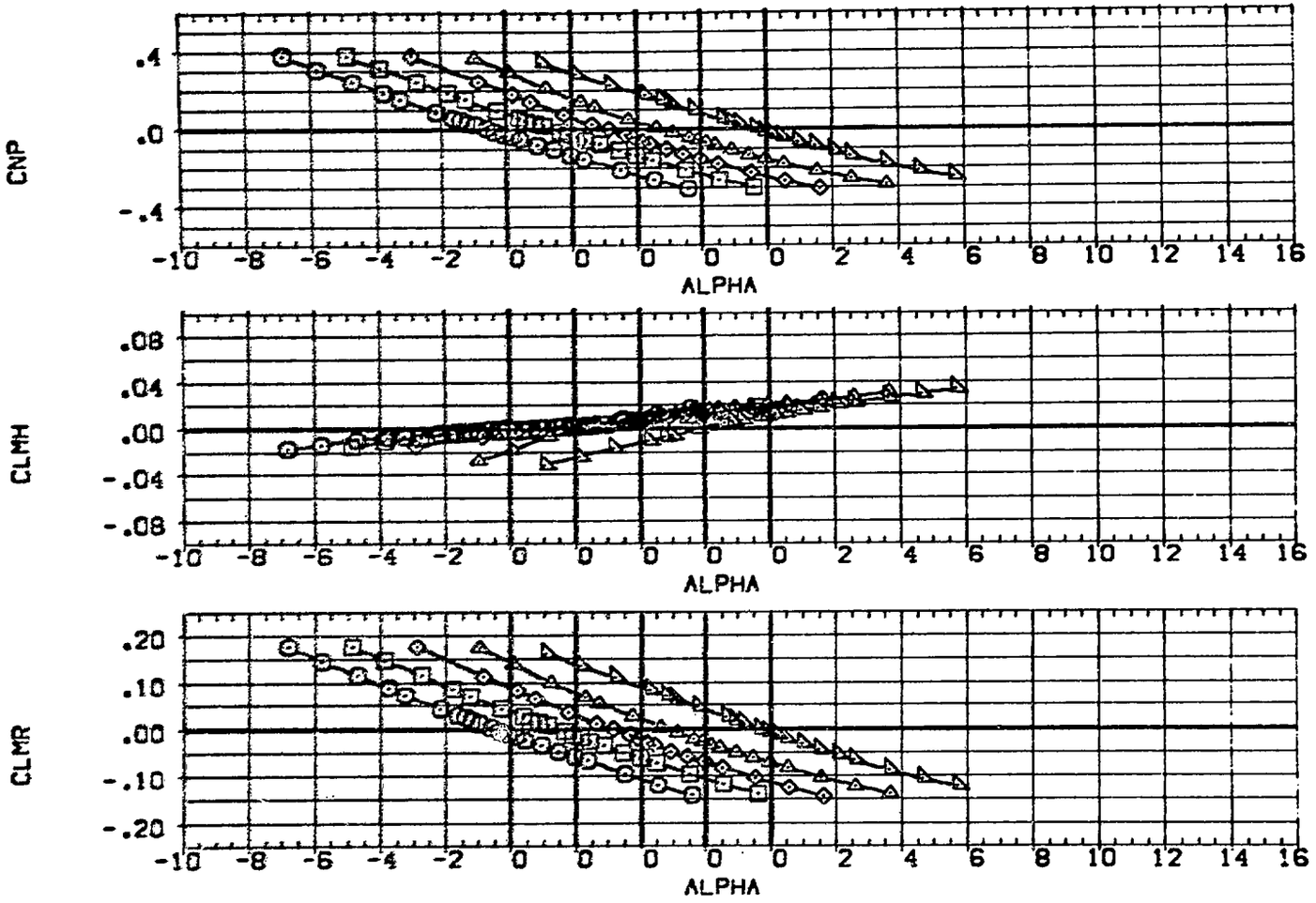
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F18 (CX3T11)

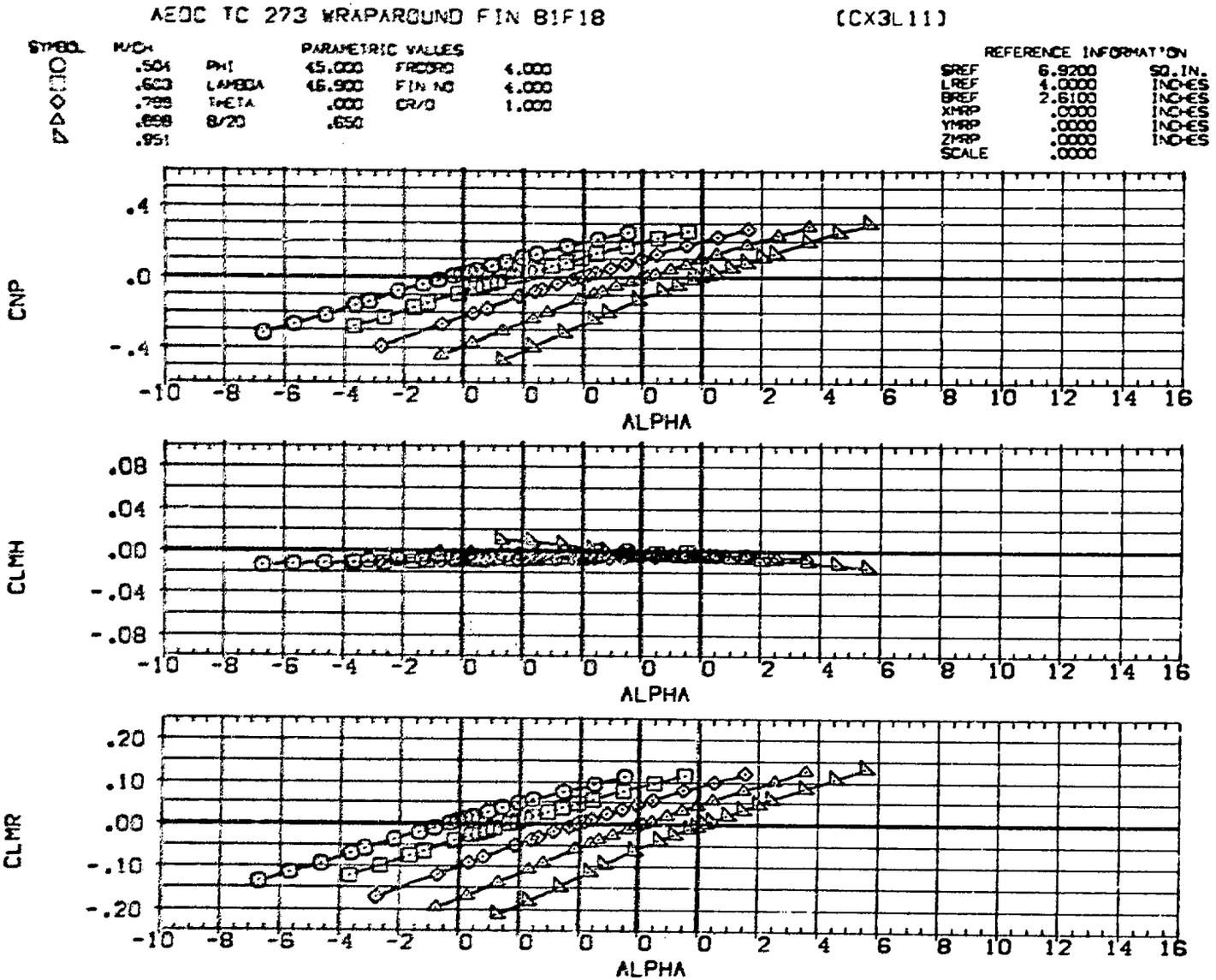
SYMBOL	MACH		PARAMETRIC VALUES		
○	1.001	PHI	45.000	FRCORD	4.000
◇	1.050	LAMBDA	46.900	FIN NO	1.000
□	1.102	THETA	.000	CR/D	1.000
△	1.150	B/2D	.650		
	1.200				

REFERENCE INFORMATION

SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP



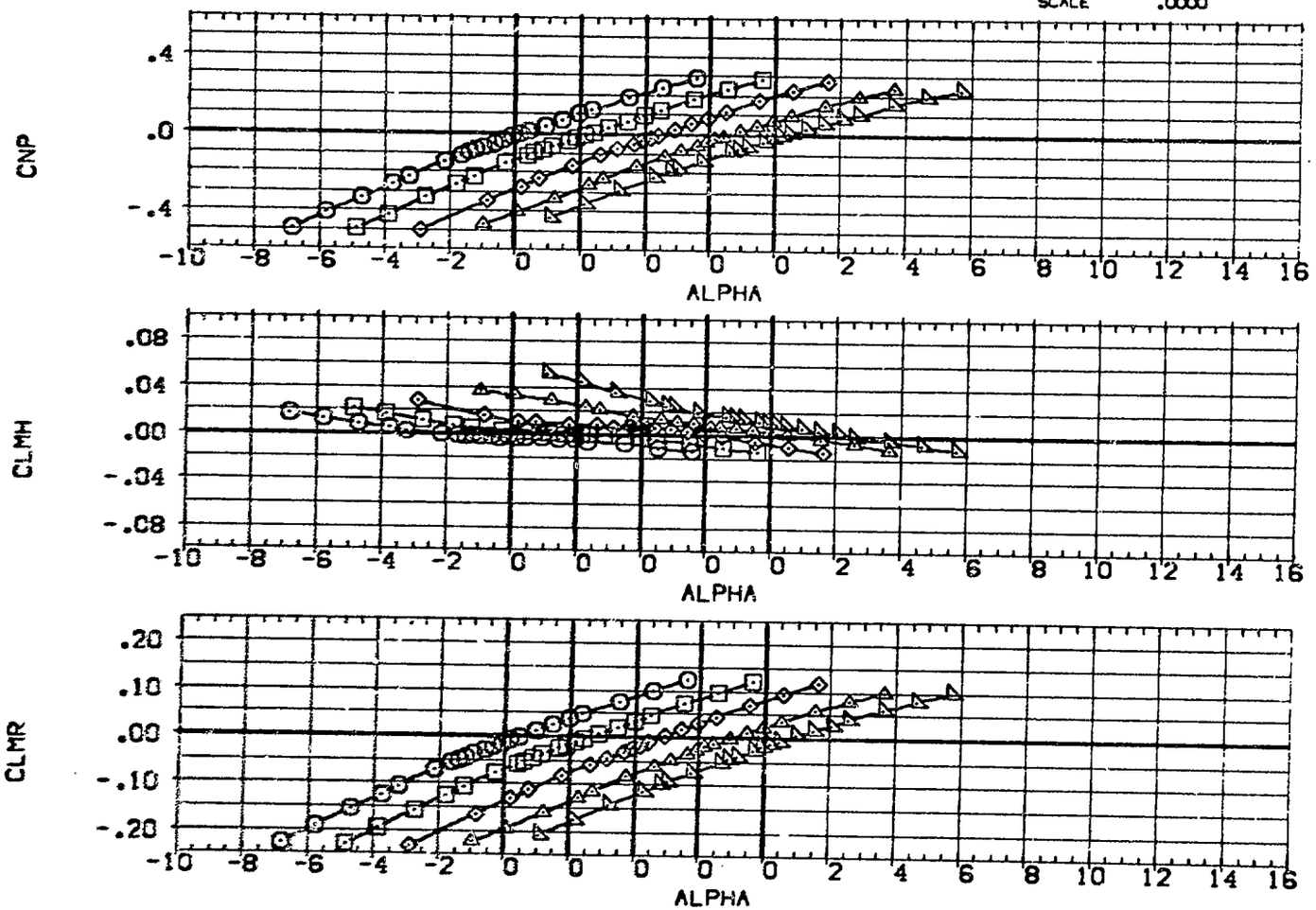
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F18 (CX3L11)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.001	PHI	45.000	FRCORD	4.000
□	1.050	LAMBDA	46.900	FIN NO	4.000
◇	1.102	THETA	.000	CR/D	1.000
△	1.199	B/2D	.650		
◁	1.299				

REFERENCE INFORMATION

SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



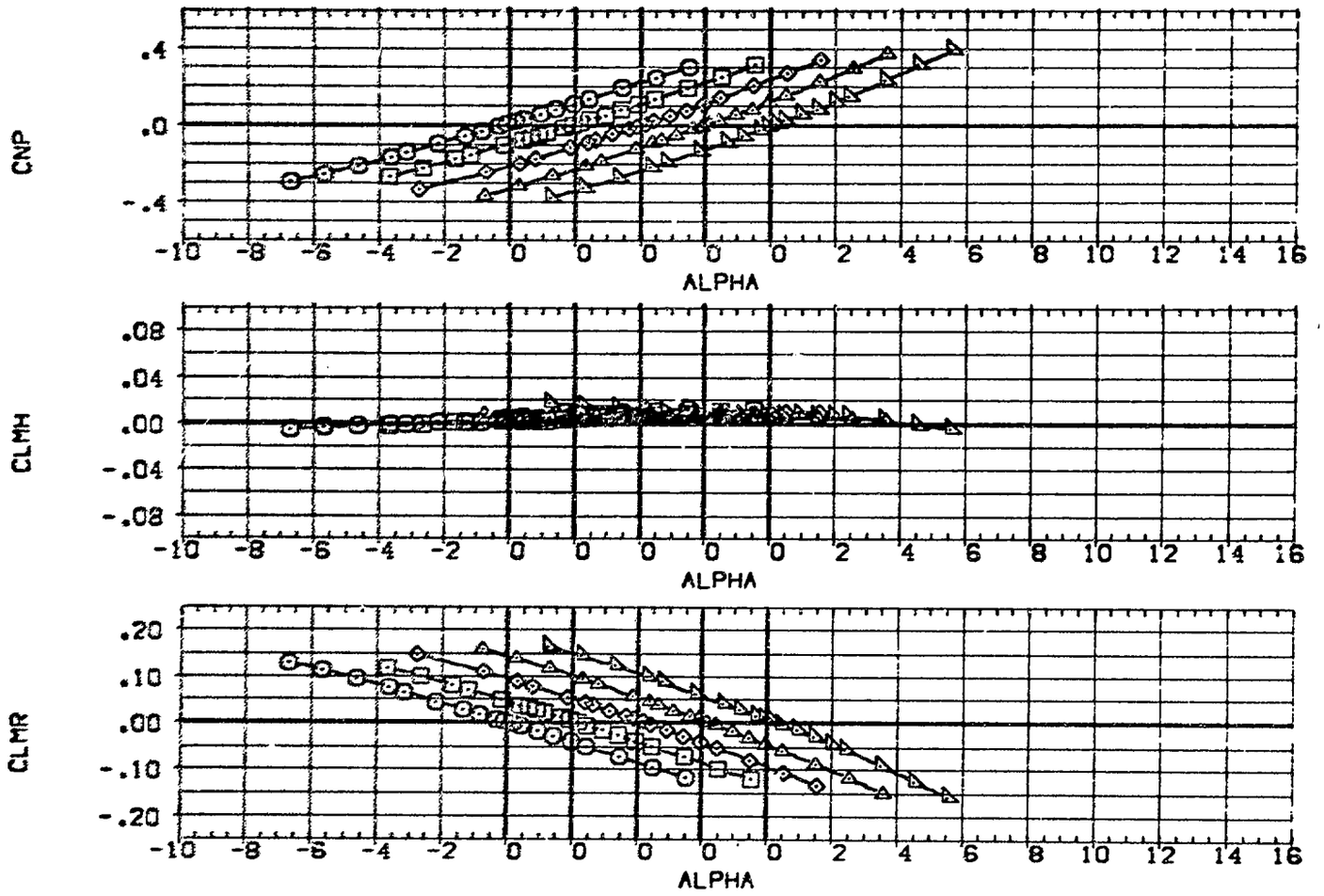
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F18 (CX3R11)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	45.000	FRCORD	4.000
□	.603	LAMDA	46.800	FIN NC	2.000
◇	.799	*ETA	.000	CR/C	1.000
△	.898	B/2C	.650		
▽	.951				

REFERENCE INFORMATION

SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



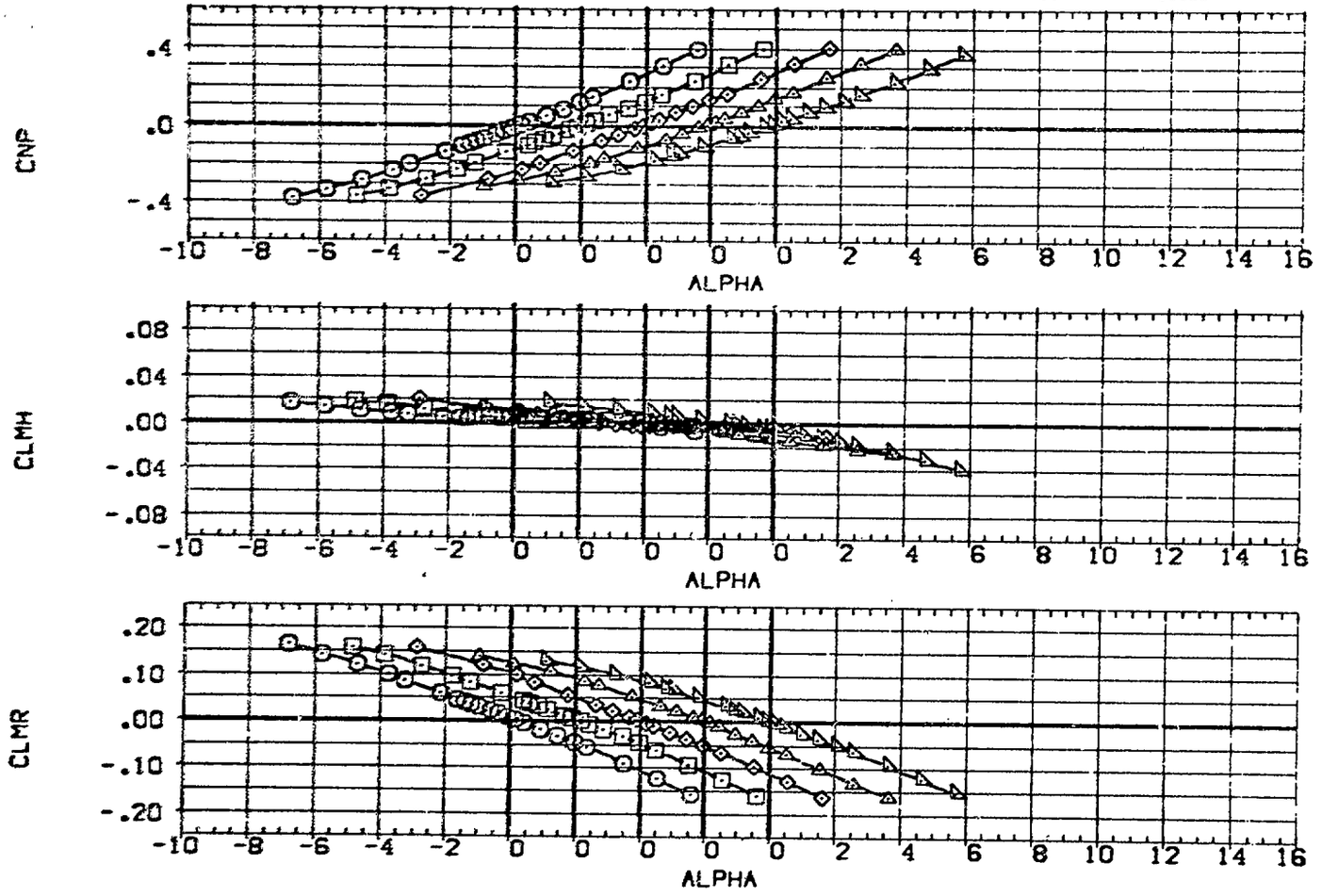
FIN NORMAL FORCE AND MOMENT COEFFICIENTS. 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN SIF:8 (CX3R11)

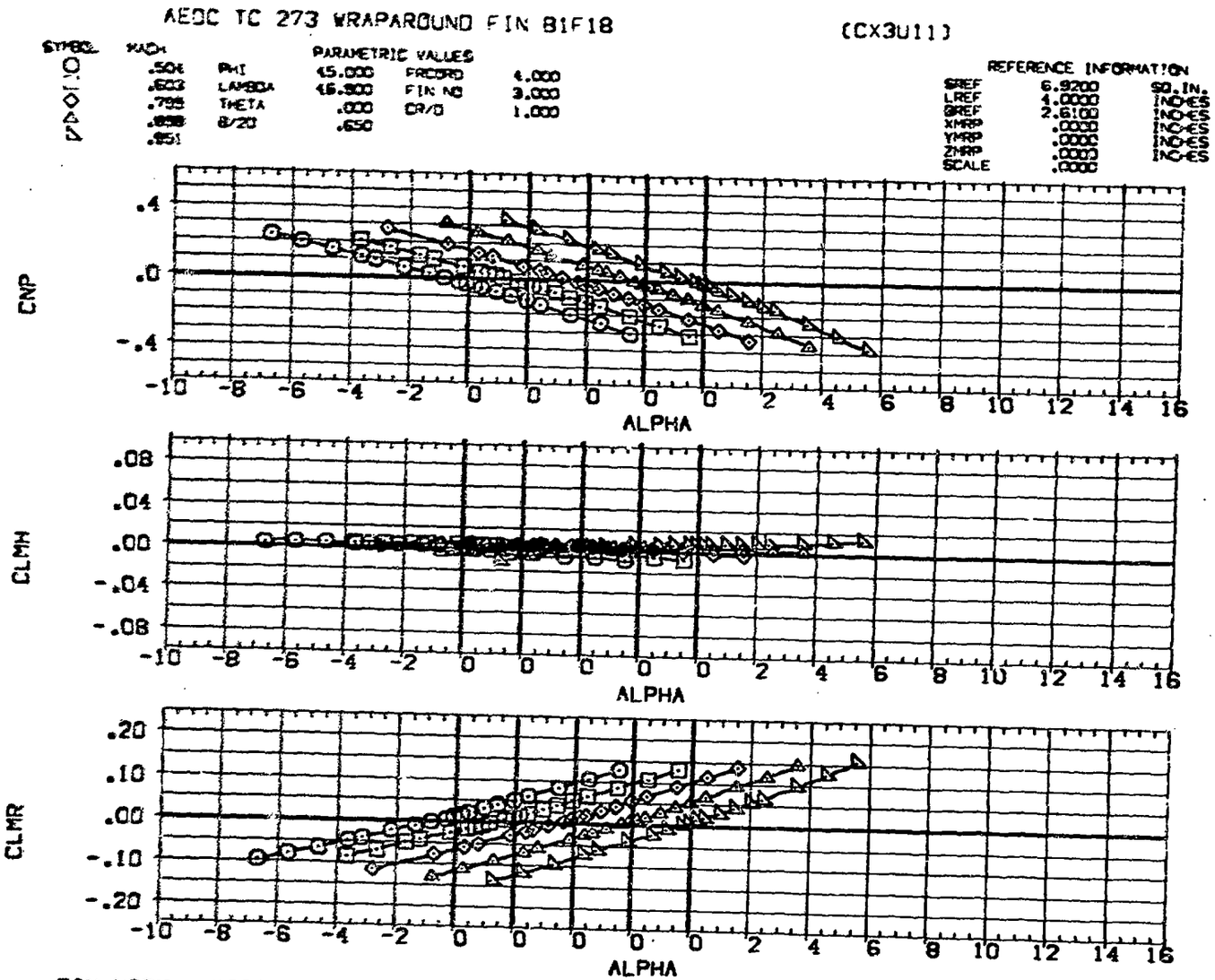
SYMBOL	MACH		PARAMETRIC VALUES		
○	1.001	PHI	45.000	FRCORD	4.000
□	1.050	LAMBDA	46.900	FIN NC	2.000
◇	1.102	THETA	.000	CR/D	1.000
△	1.199	B/2D	.650		
▷	1.295				

REFERENCE INFORMATION

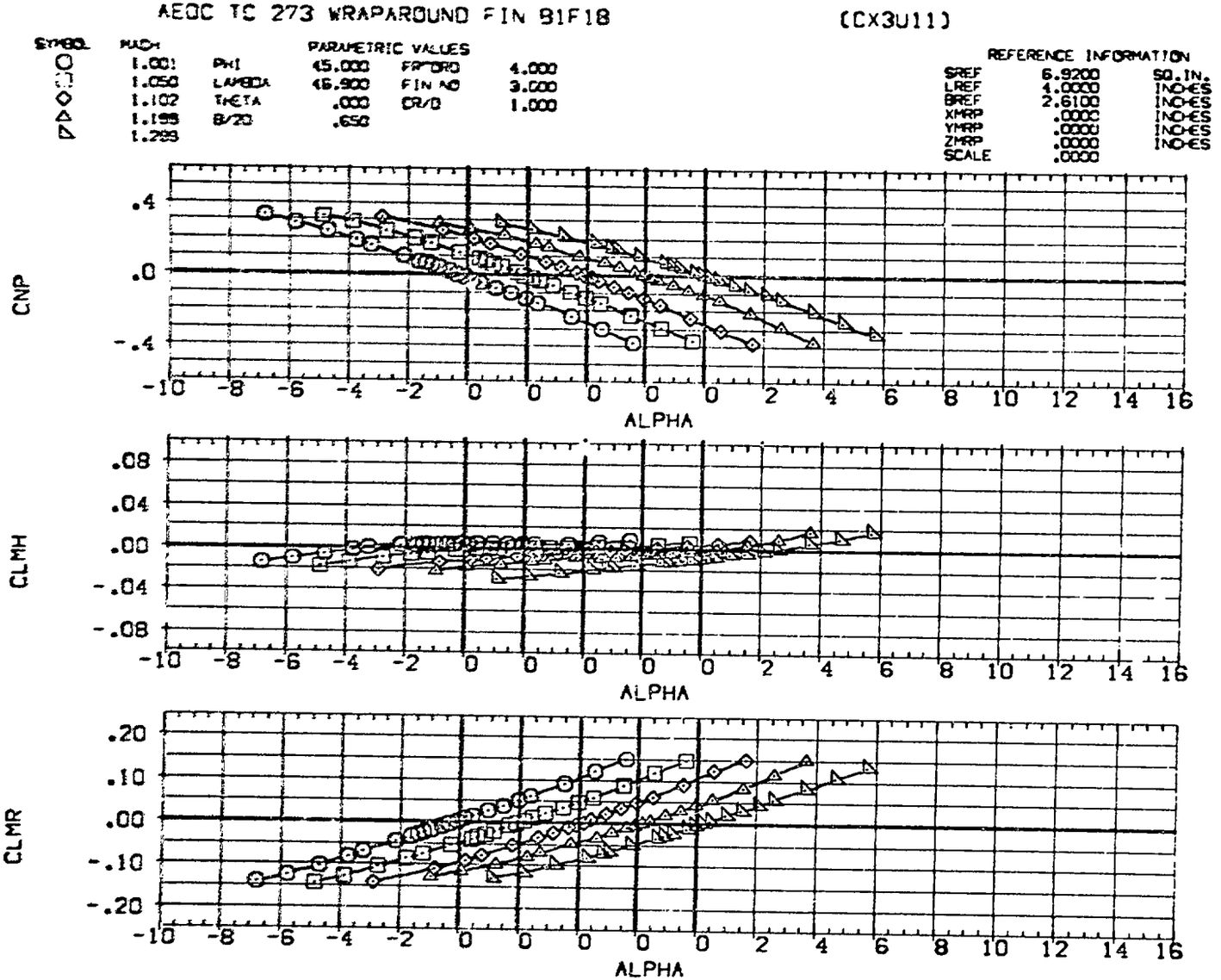
SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP



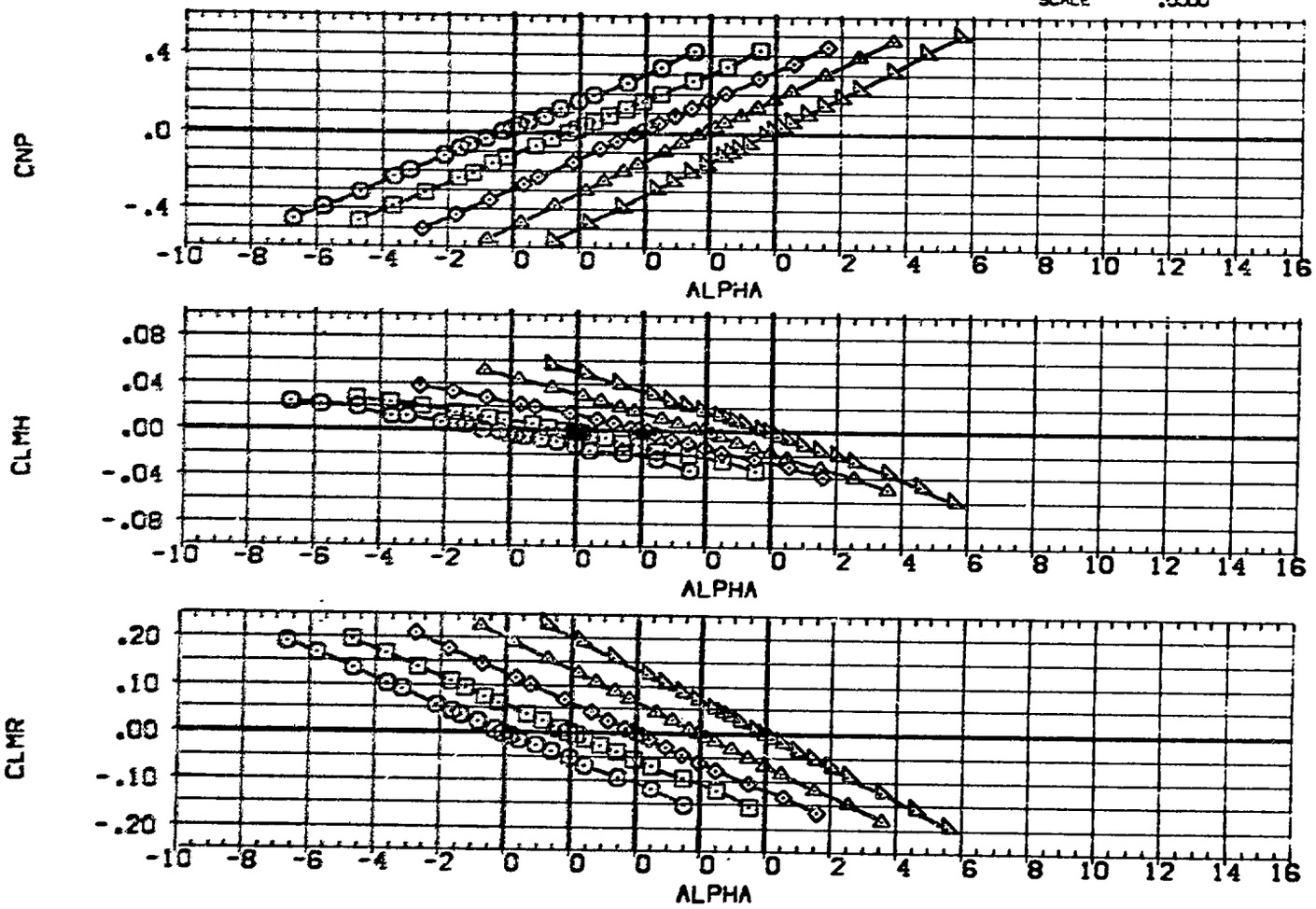
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 46.9 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F19 (CX3R12)

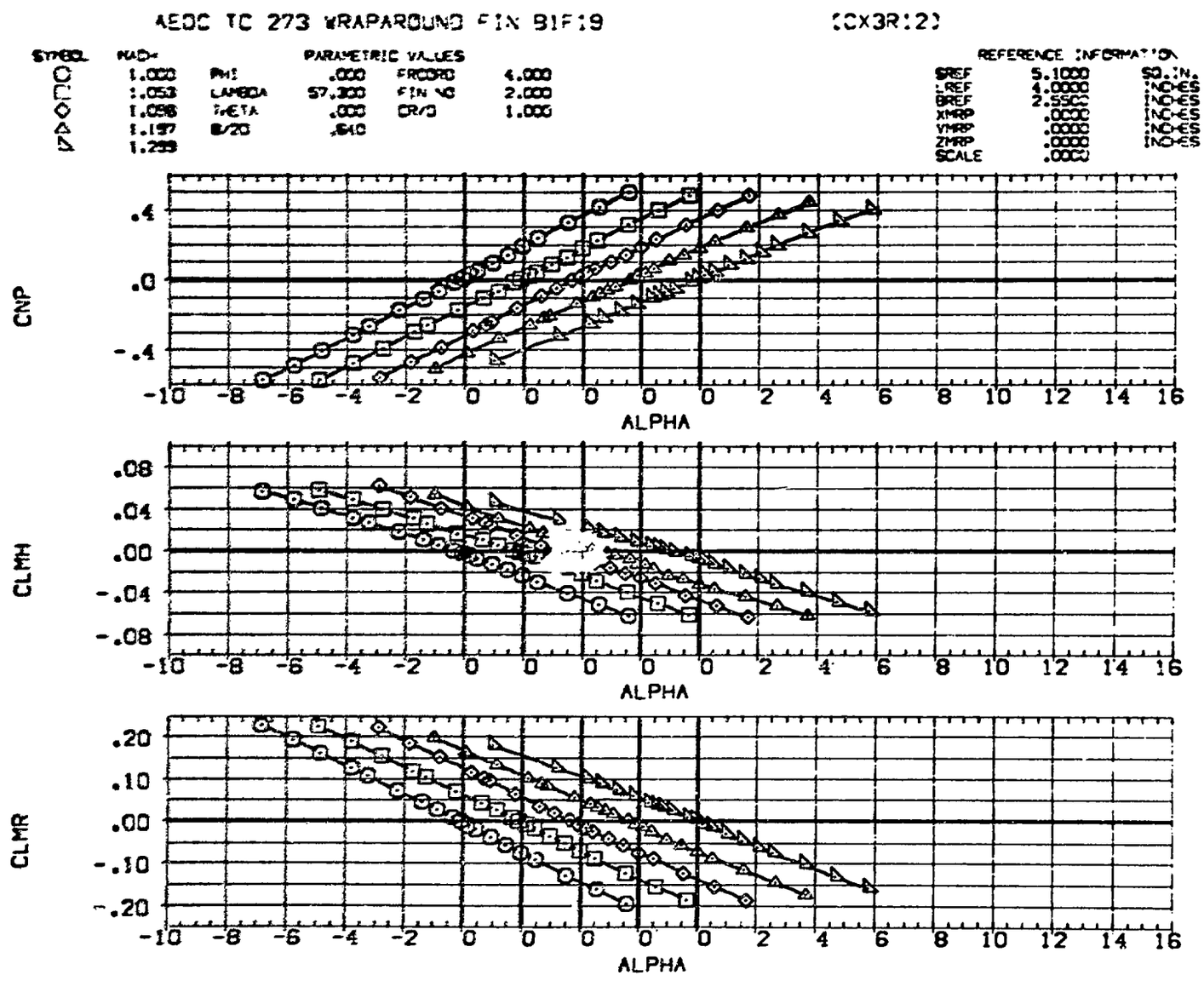
SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	.000	FRORD	4.000
□	.601	LAMBDA	57.300	FIN NO	2.000
◇	.801	THETA	.000	CR/S	1.000
△	.902	B/2S	.640		
⁄	.950				

REFERENCE INFORMATION

SREF	5.1000	SQ.IN.
LREF	4.0000	INCHES
BREF	2.5500	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS. 57.3 DEGREE LEADING EDGE SWEEP



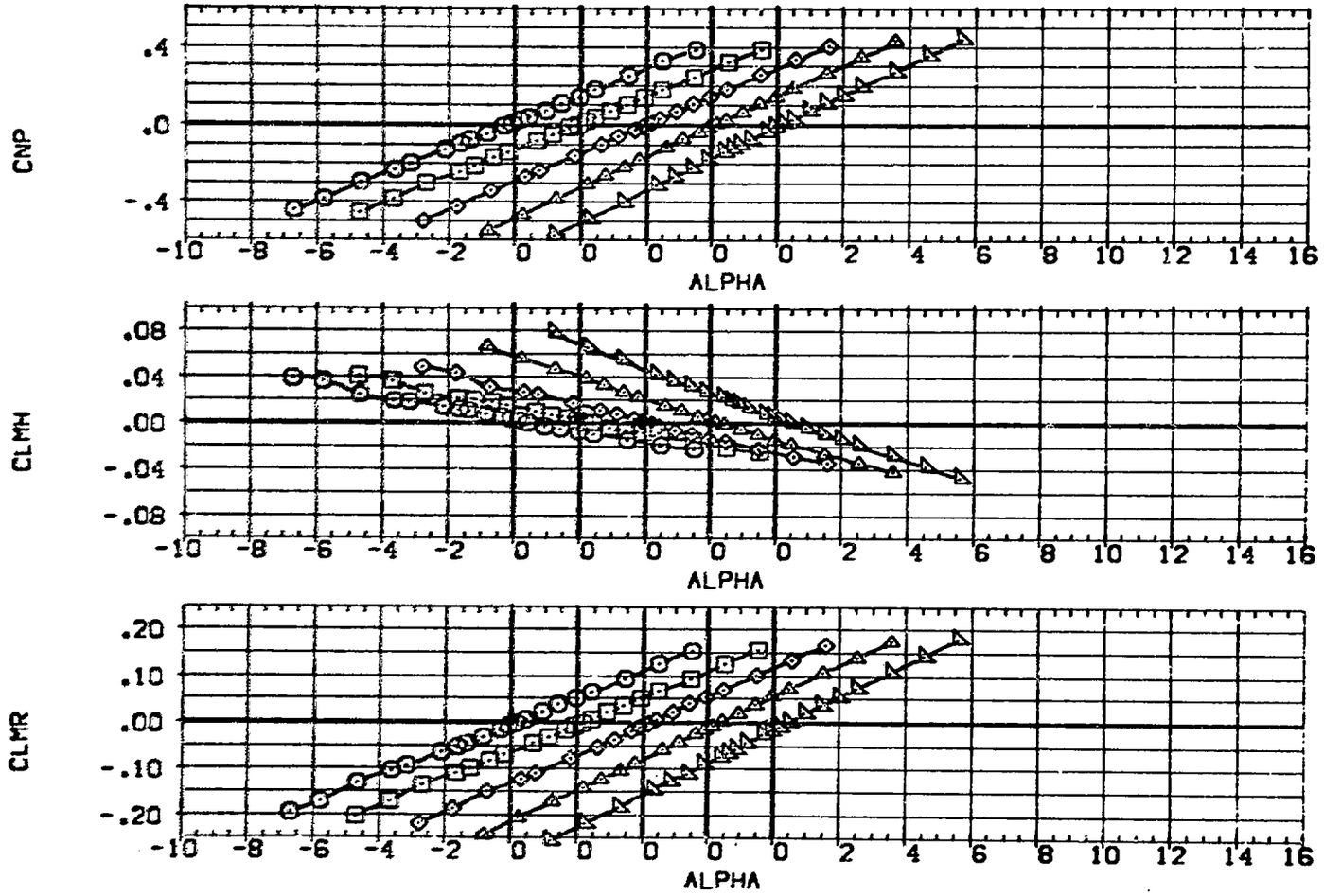
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F19 (CX3L12)

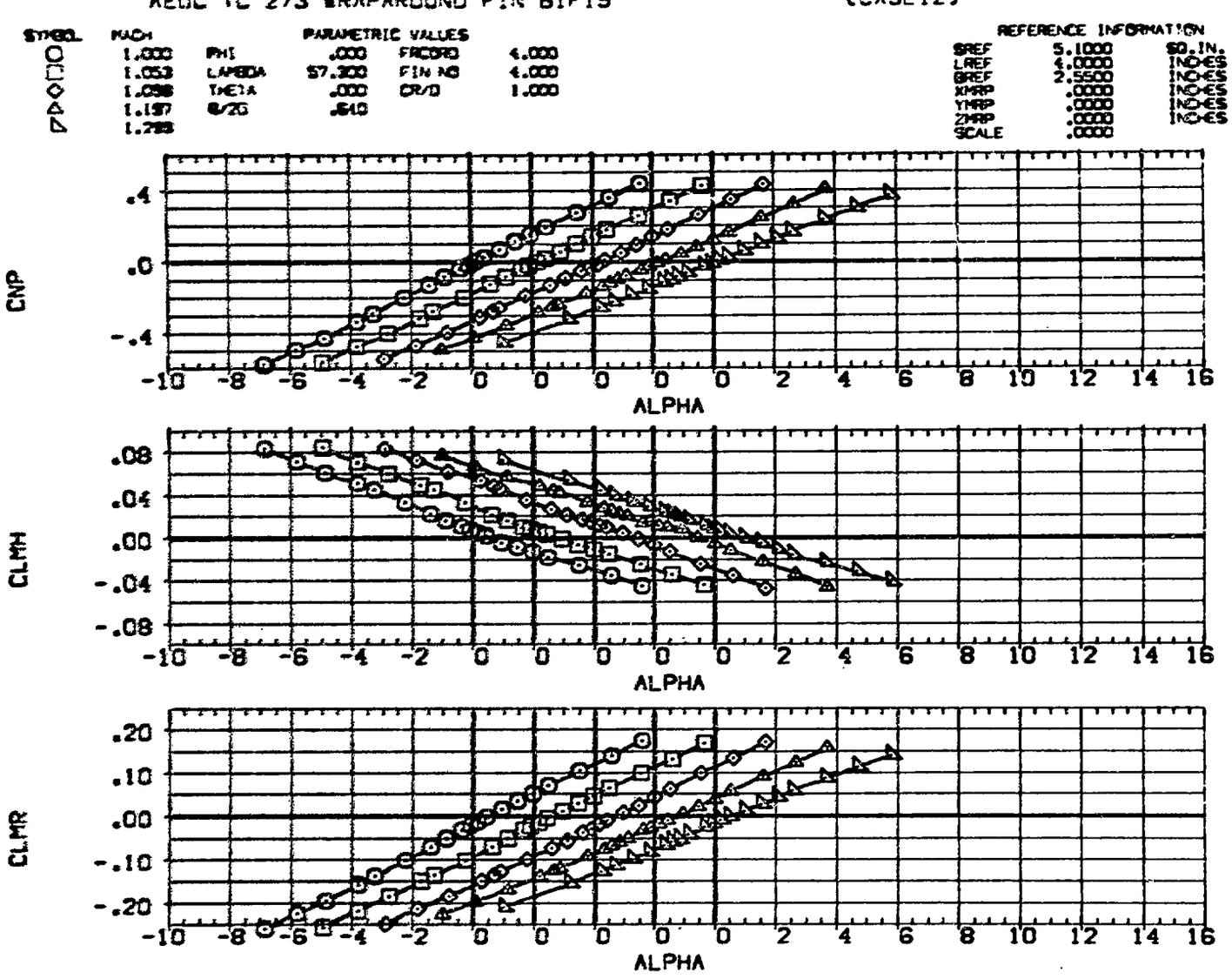
SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	.000	FRCORD	4.000
□	.601	LAMBDA	57.300	FIN NO	4.000
◇	.801	THETA	.000	CR/D	1.000
△	.902	B/2D	.640		
▽	.950				

REFERENCE INFORMATION

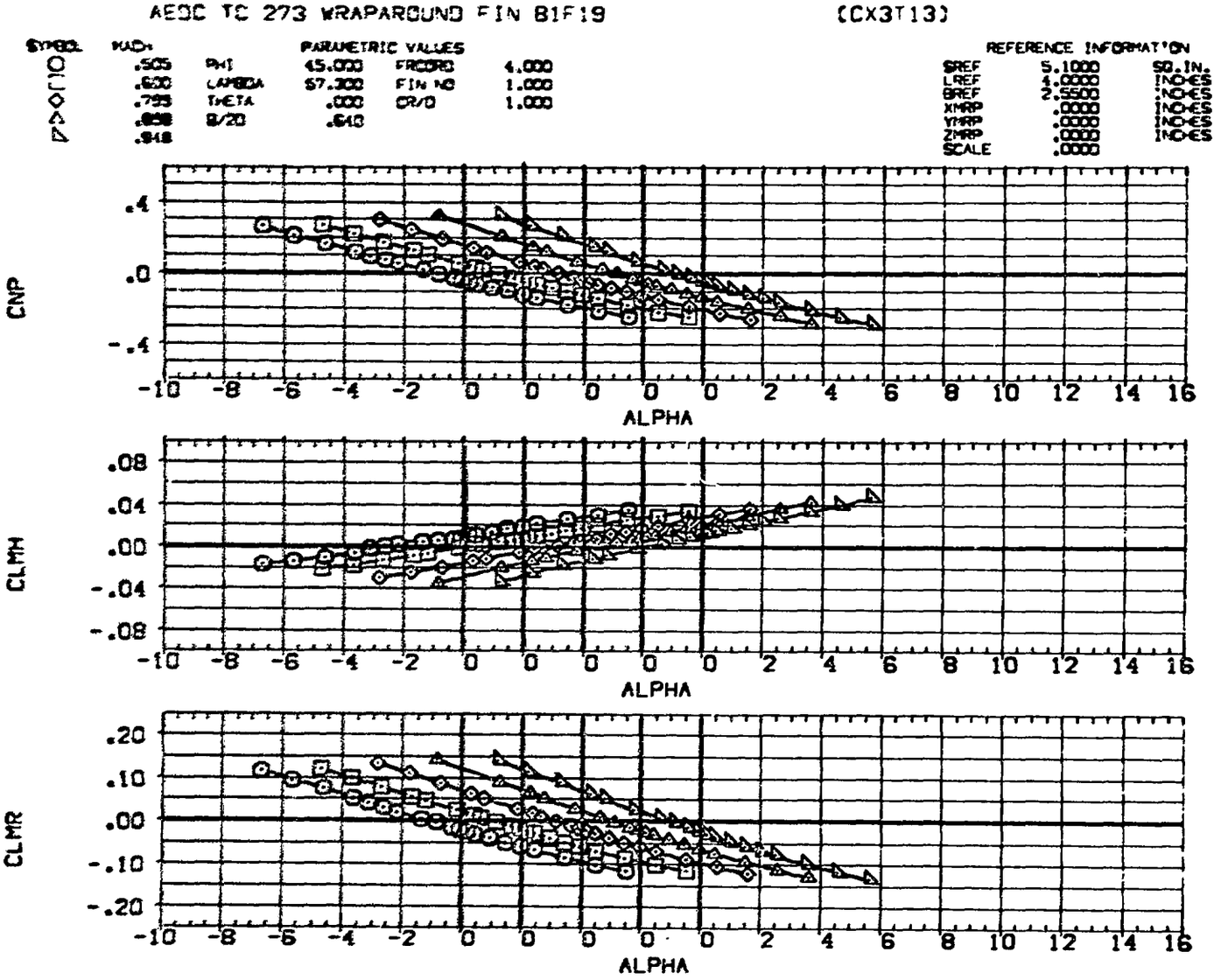
SREF	5.1000	SQ.IN.
LREF	4.0000	INCHES
BREF	2.5500	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP



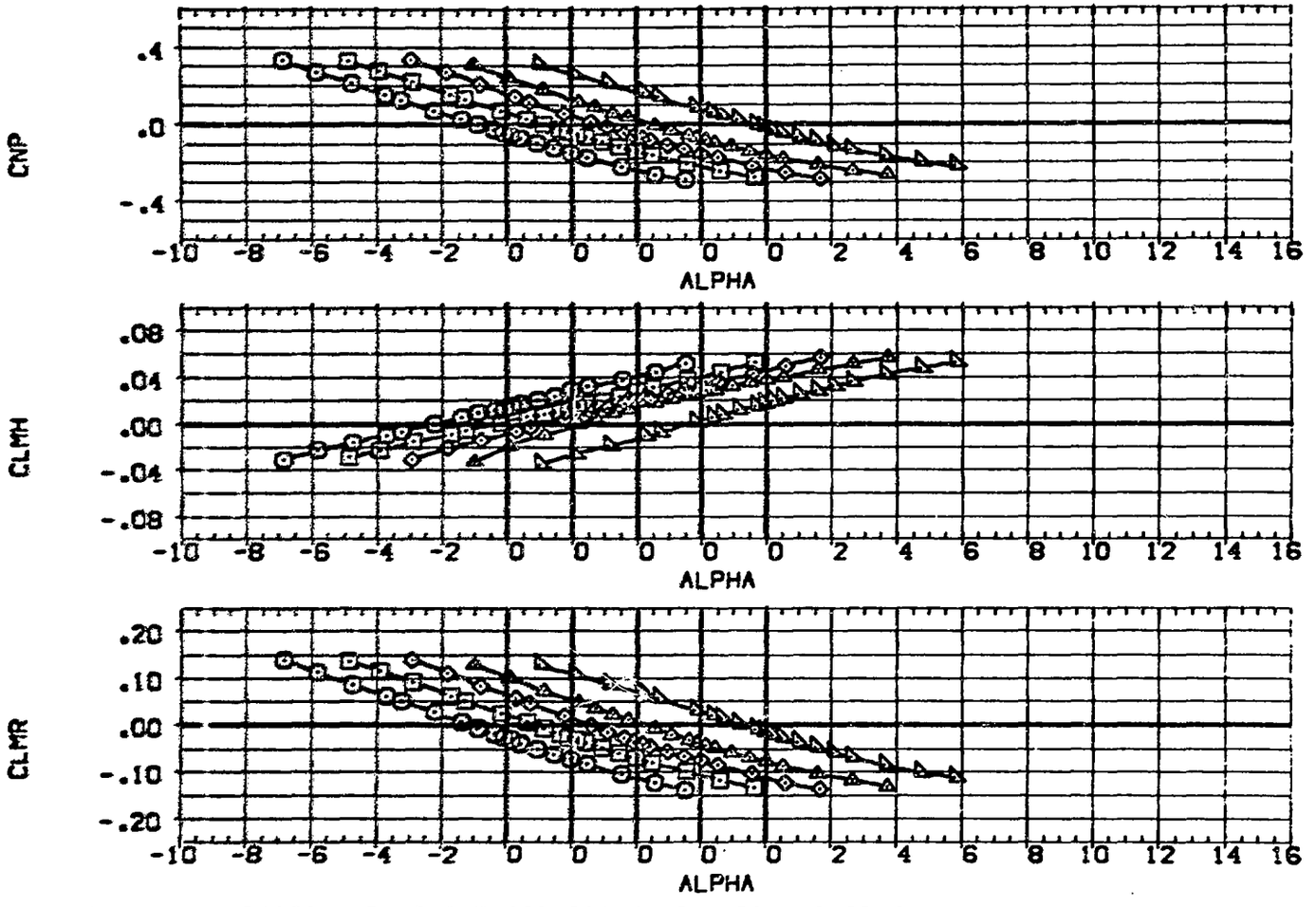
FIN NORMAL FORCE AND MOMENT COEFFICIENTS. 57.3 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F19 (CX3T13)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.895	PHI	45.000	FRCORD	4.000
□	1.048	LAMBDA	57.300	FIN NO	1.000
◇	1.096	THETA	.000	CR/D	1.000
△	1.197	B/2D	.640		
▷	1.298				

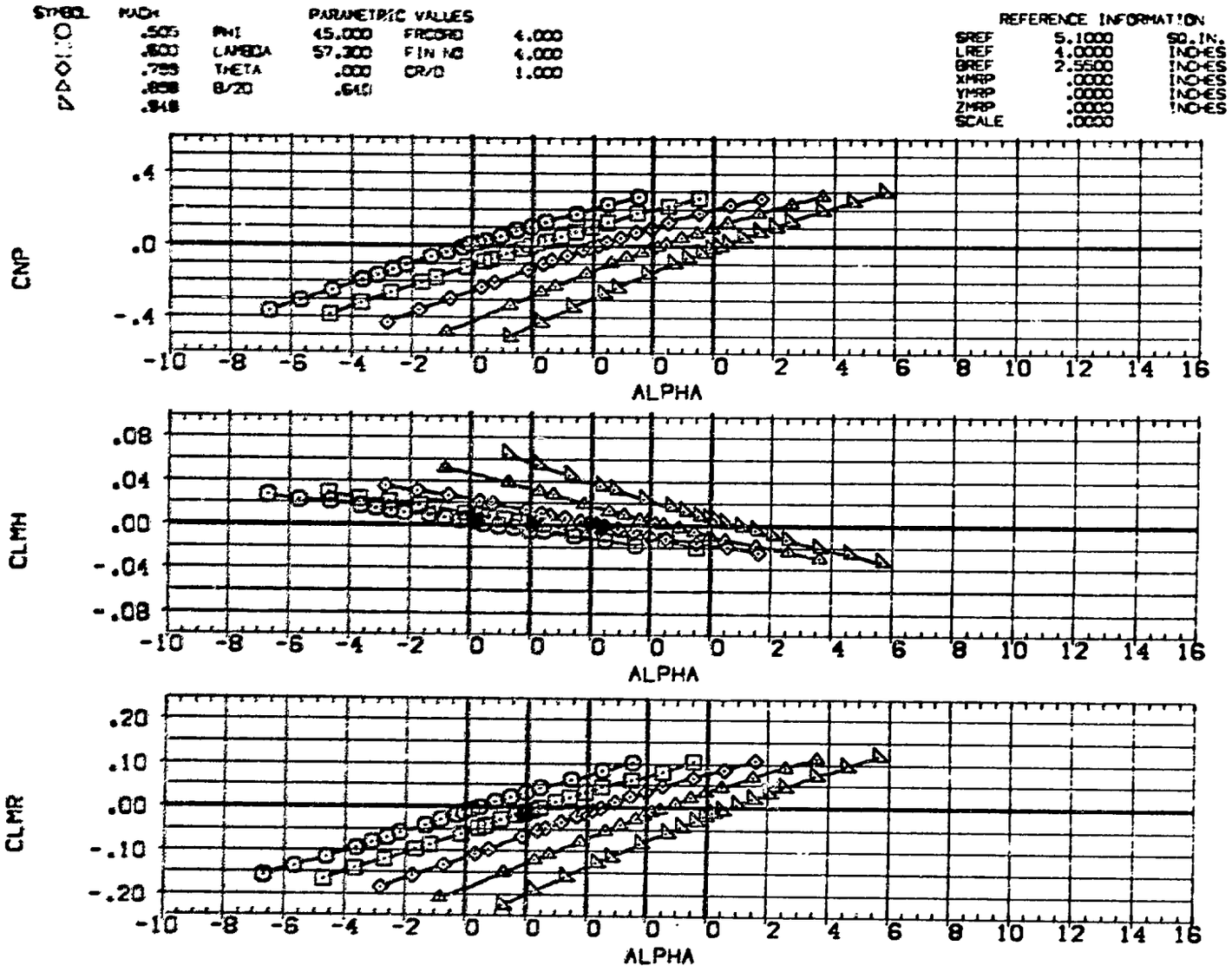
REFERENCE INFORMATION:

SREF	5.1000	SQ.IN.
LREF	4.0000	INCHES
BREF	2.5500	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F19 (CX3L13)



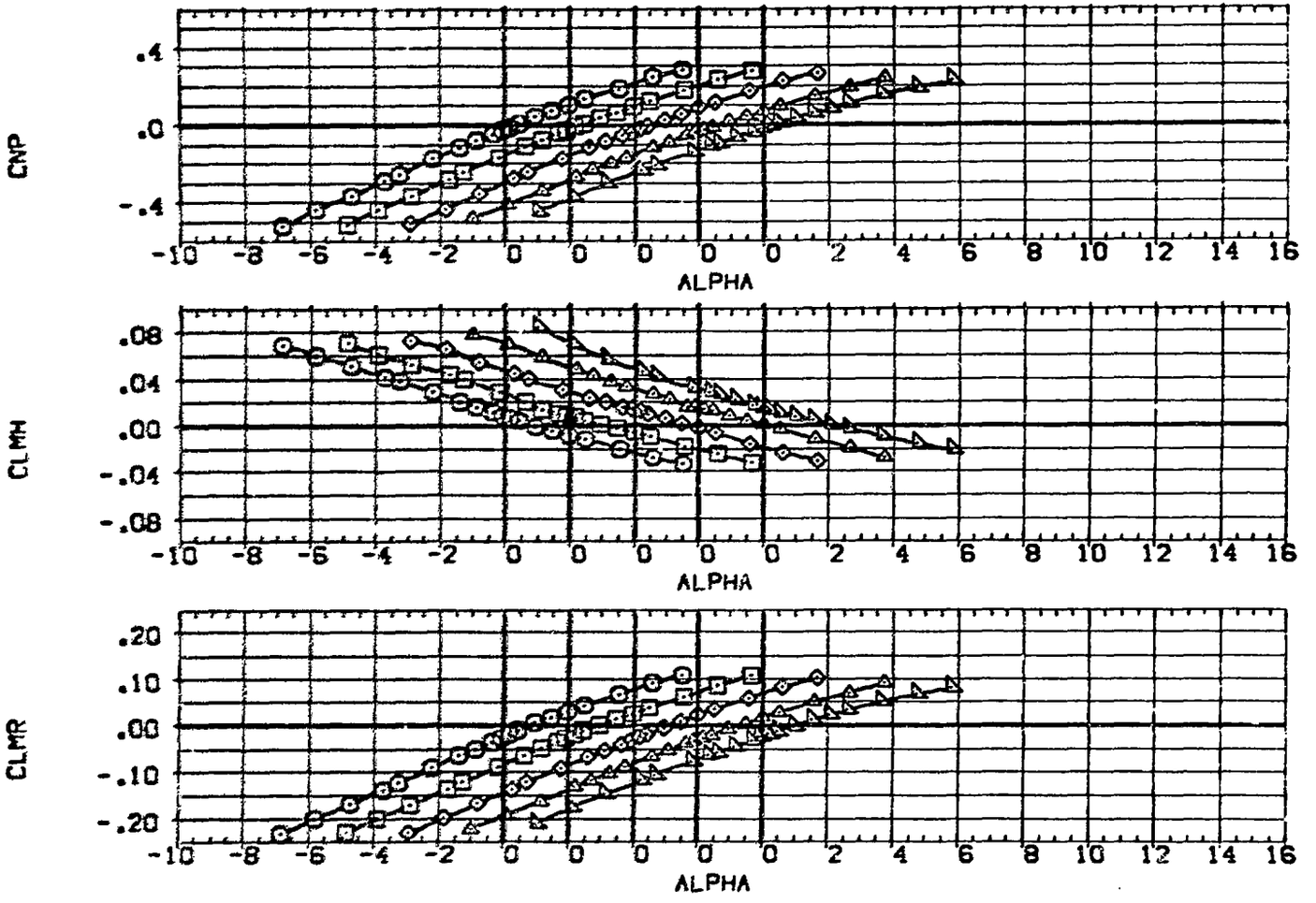
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F19 (CX3L13)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.896	PHI	45.000	FRCORD	4.000
□	1.048	LAMBDA	57.300	FIN NS	4.000
◇	1.096	THETA	.000	CR/B	1.000
△	1.197	B/2S	.840		
	1.298				

REFERENCE INFORMATION

SREF	5.1000	SQ.IN.
LREF	4.0000	INCHES
BREF	2.5500	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



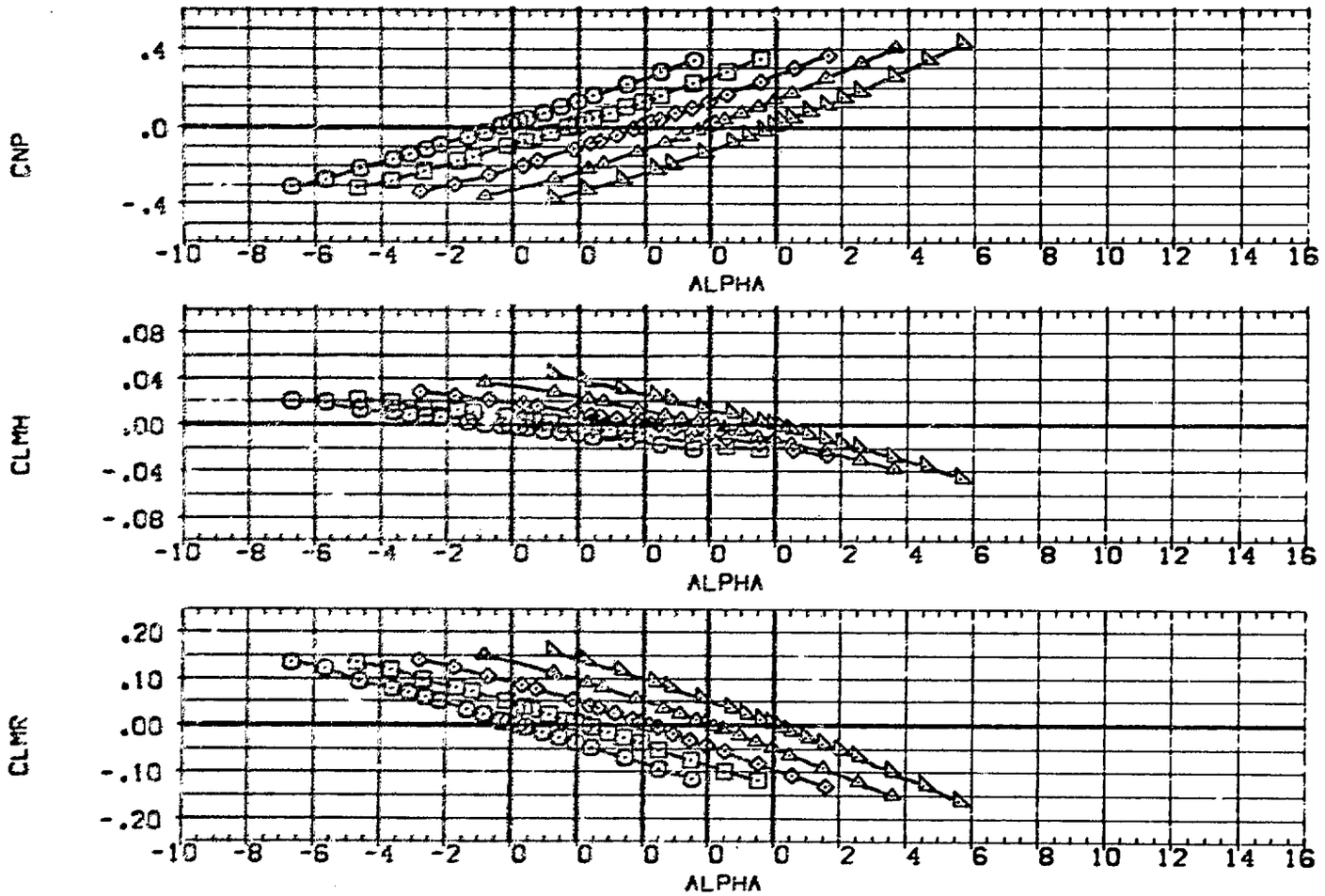
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F19 (CX3R13)

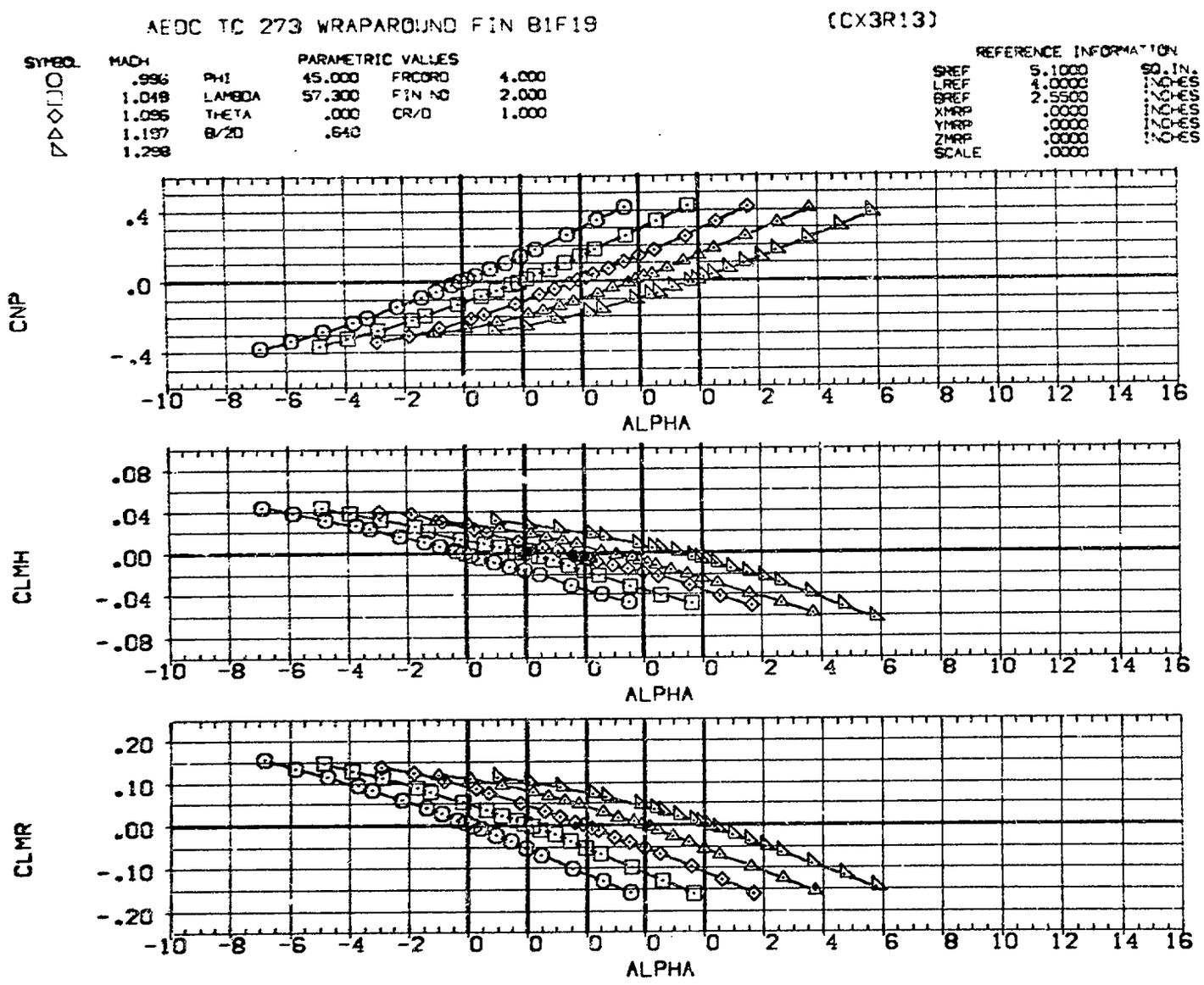
SYMBOL	MACH		PARAMETRIC VALUES		
▷	.505	PHI	45.000	FRORD	4.000
◇	.600	LAMBDA	57.300	FIN NO	2.000
○	.799	THETA	.000	CR/D	1.000
	.898	B/2D	.640		
	.948				

REFERENCE INFORMATION

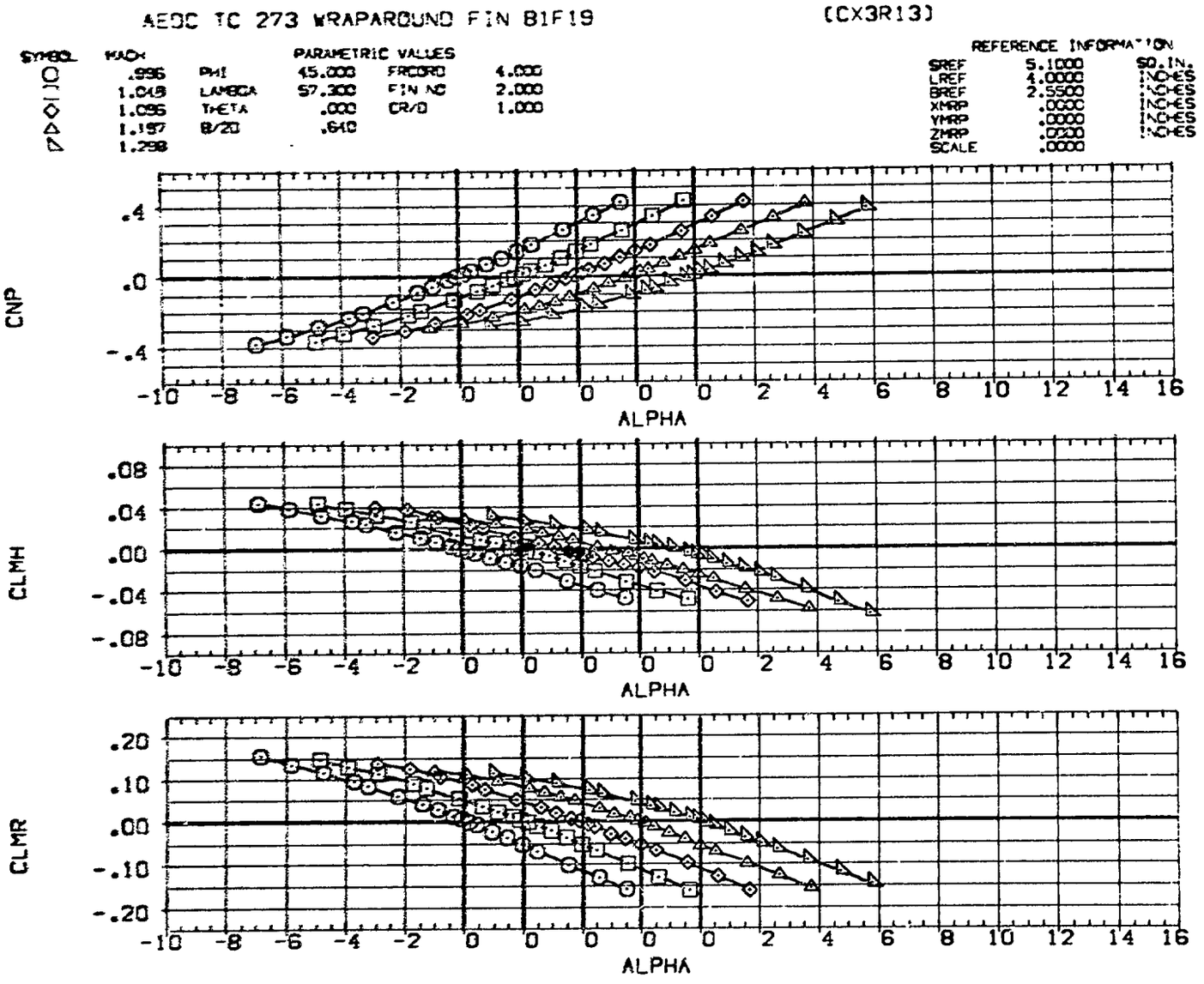
SREF	5.1000	SQ.IN.
LREF	4.0000	INCHES
BREF	2.5500	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



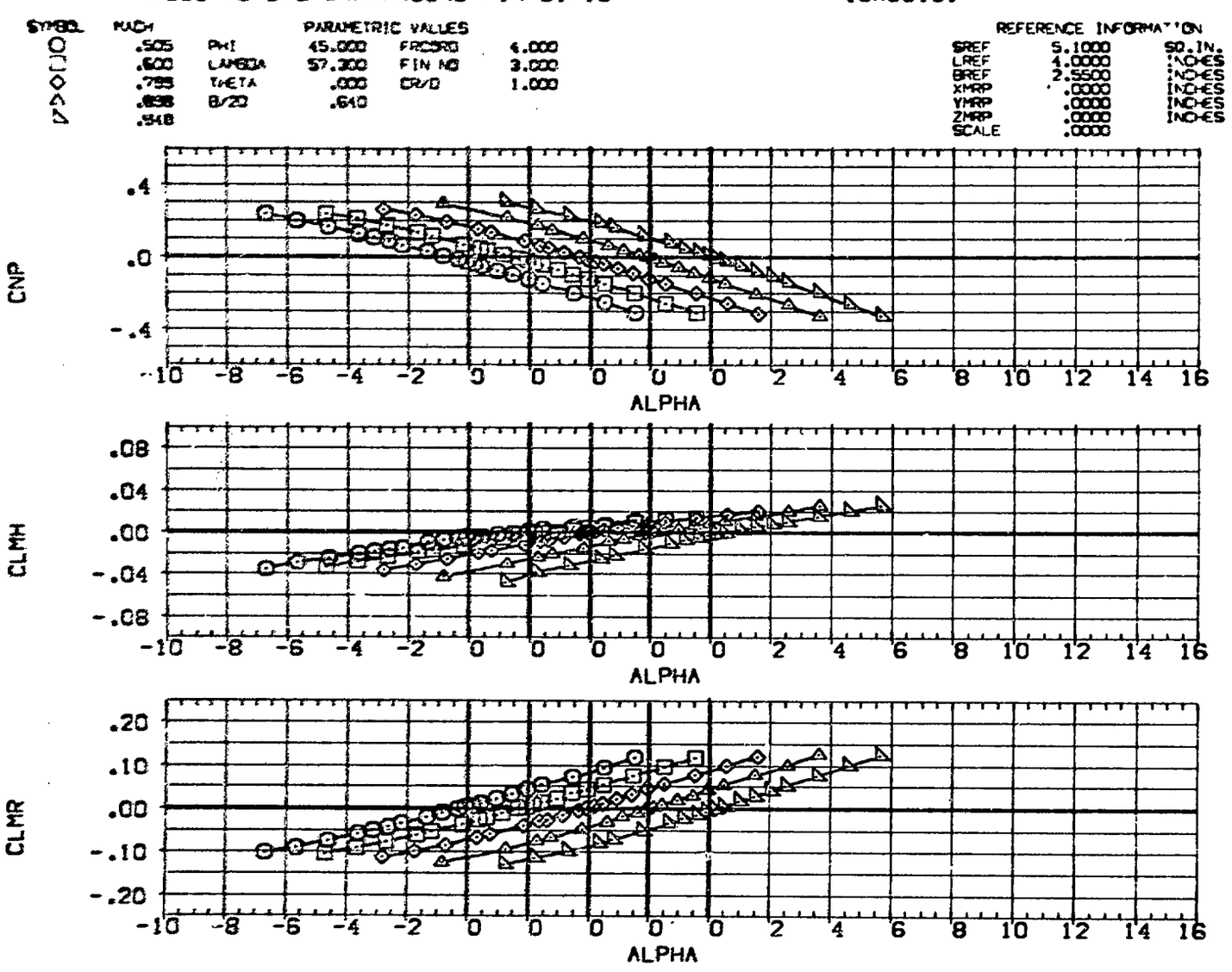
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP



FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP



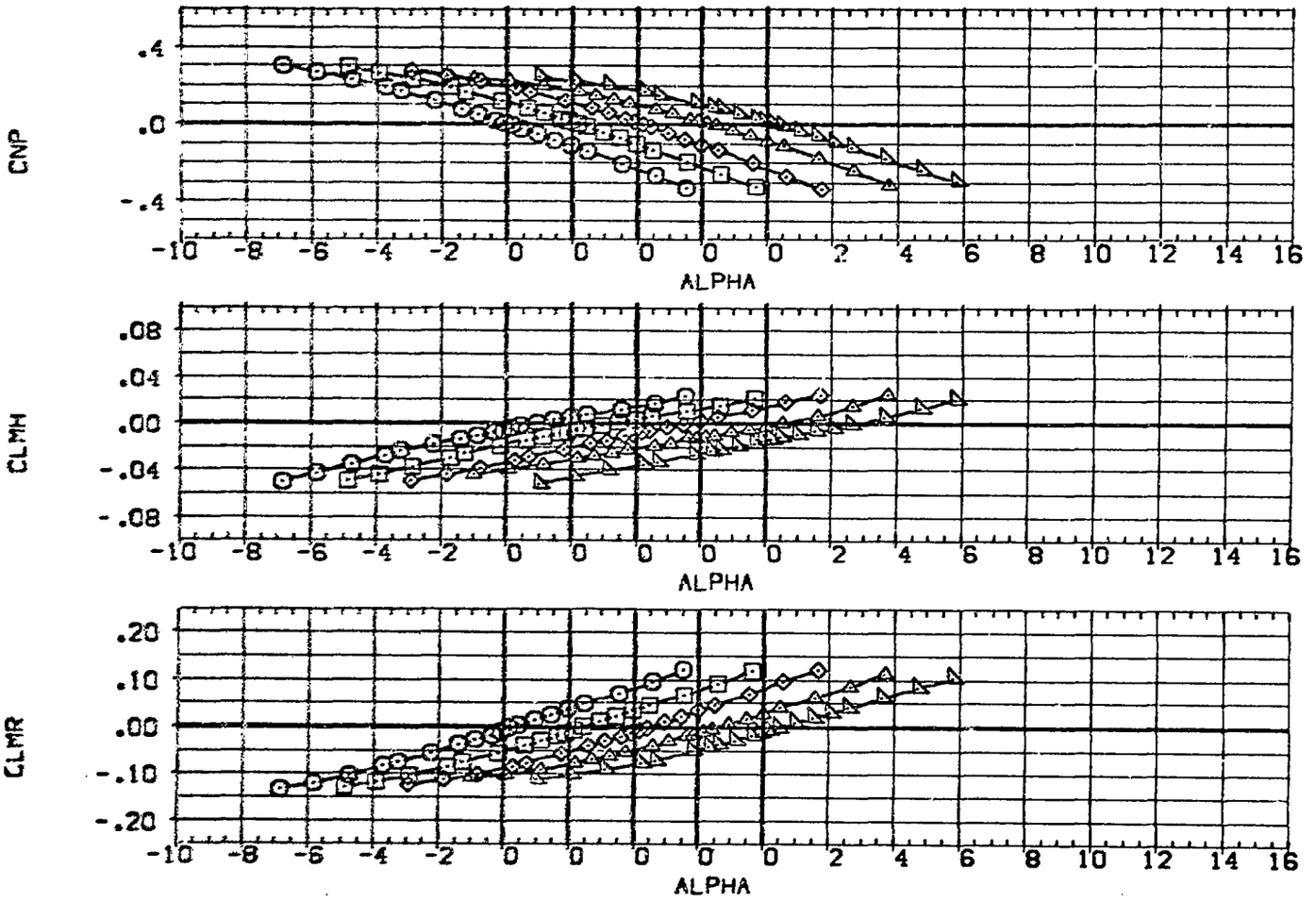
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN B1F19 (CX3U13)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.895	PHI	25.000	FRQRD	6.000
□	1.048	LAMBDA	57.300	FIN NO	3.000
◇	1.095	THETA	.000	CR/B	1.000
△	1.197	S/2B	.640		
▽	1.298				

REFERENCE INFORMATION

SREF	5.1000	SQ.IN.
LREF	4.0000	INCHES
BREF	2.5500	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



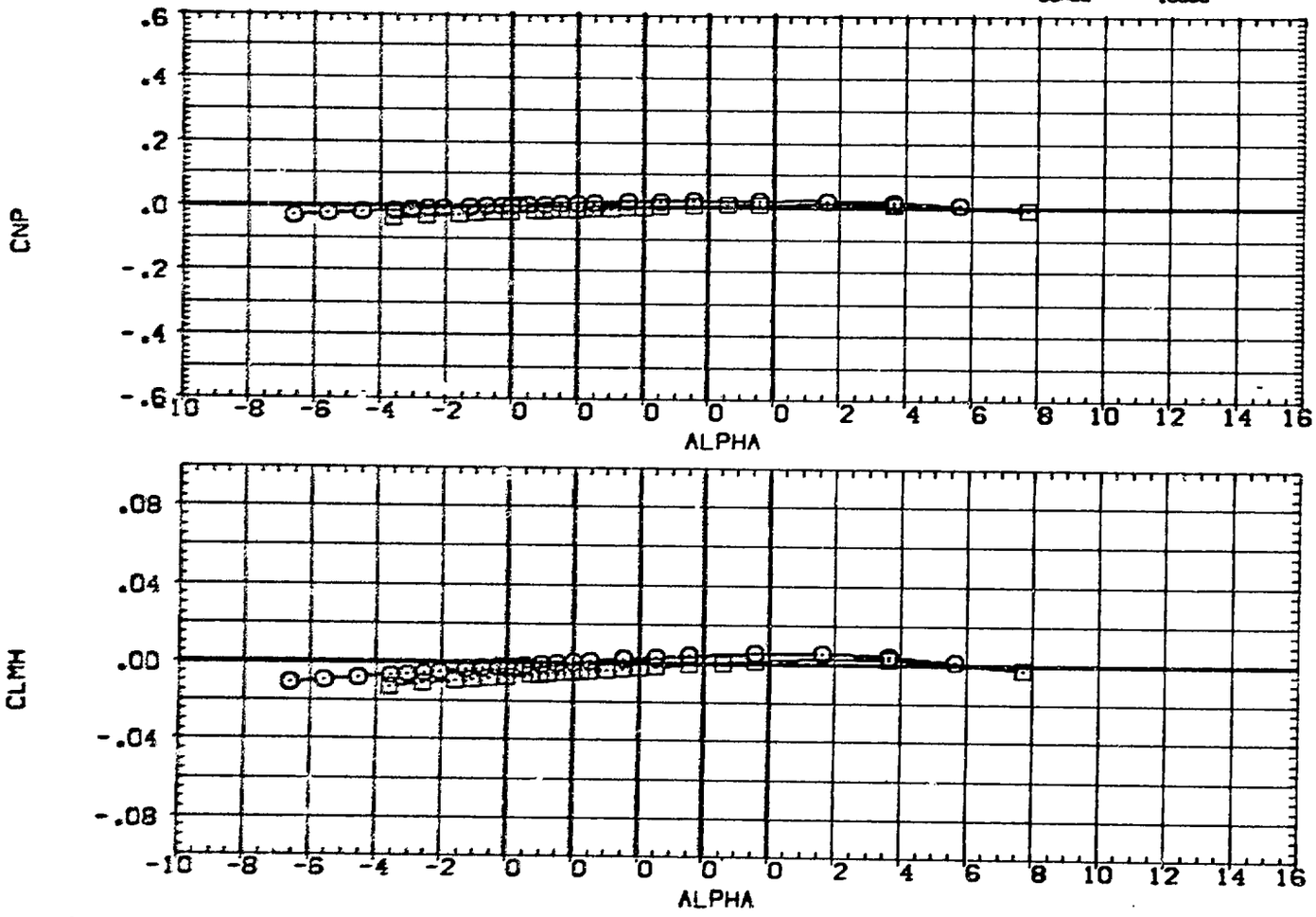
FIN NORMAL FORCE AND MOMENT COEFFICIENTS, 57.3 DEGREE LEADING EDGE SWEEP

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3T01)

SYMBOL	MACH		PARAMETRIC VALUES		
O	.501	PHI	.000	FRCORD	7.000
□	.600	LAMBDA	.000	FIN NO	1.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	18.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



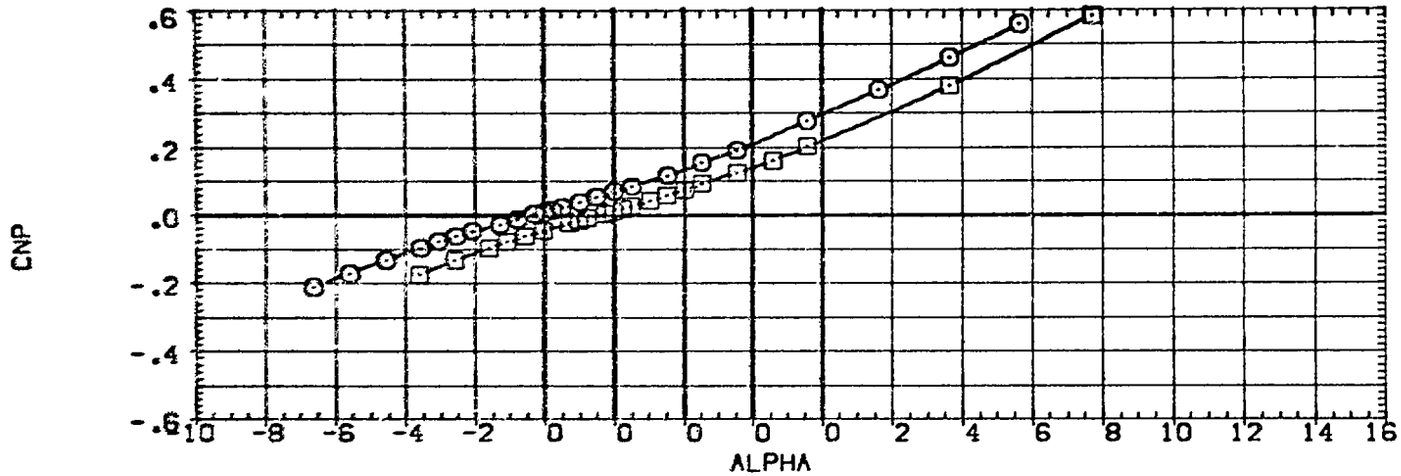
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

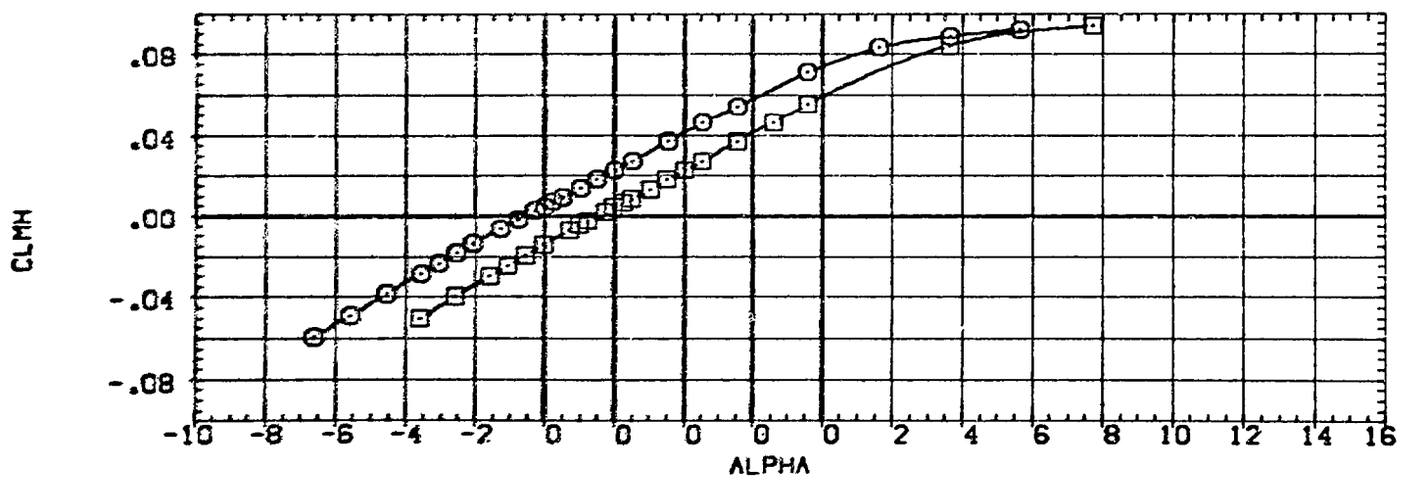
AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3R01)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	.000	FRCORD	7.000
□	.600	LAMBDA	.000	FIN NO	2.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





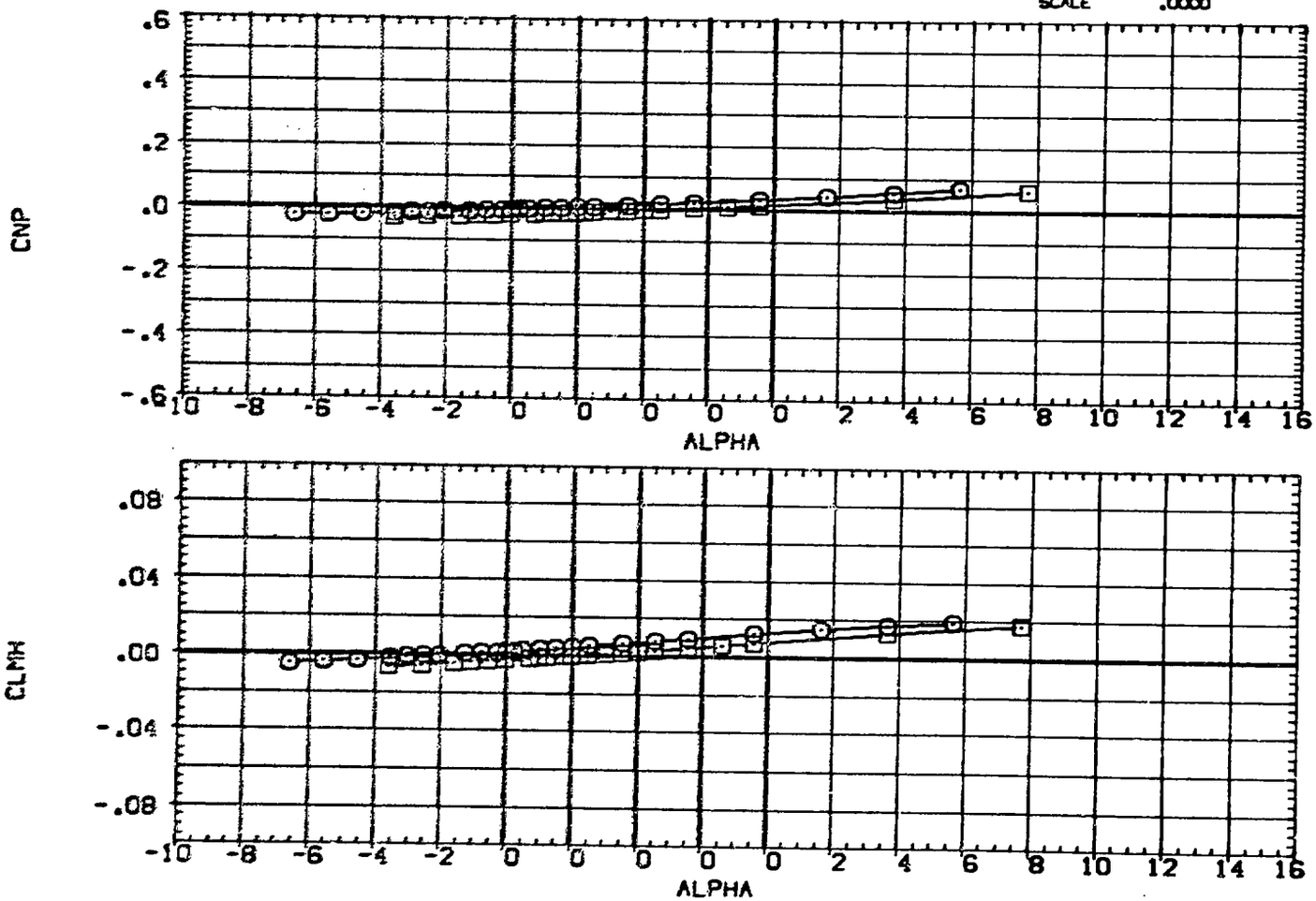
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3U01)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	.000	FRCORD	7.000
□	.600	LAMBDA	.000	FIN NO	3.000
		THETA	-10.000	CR/D	1.750
		B/2D	.600		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

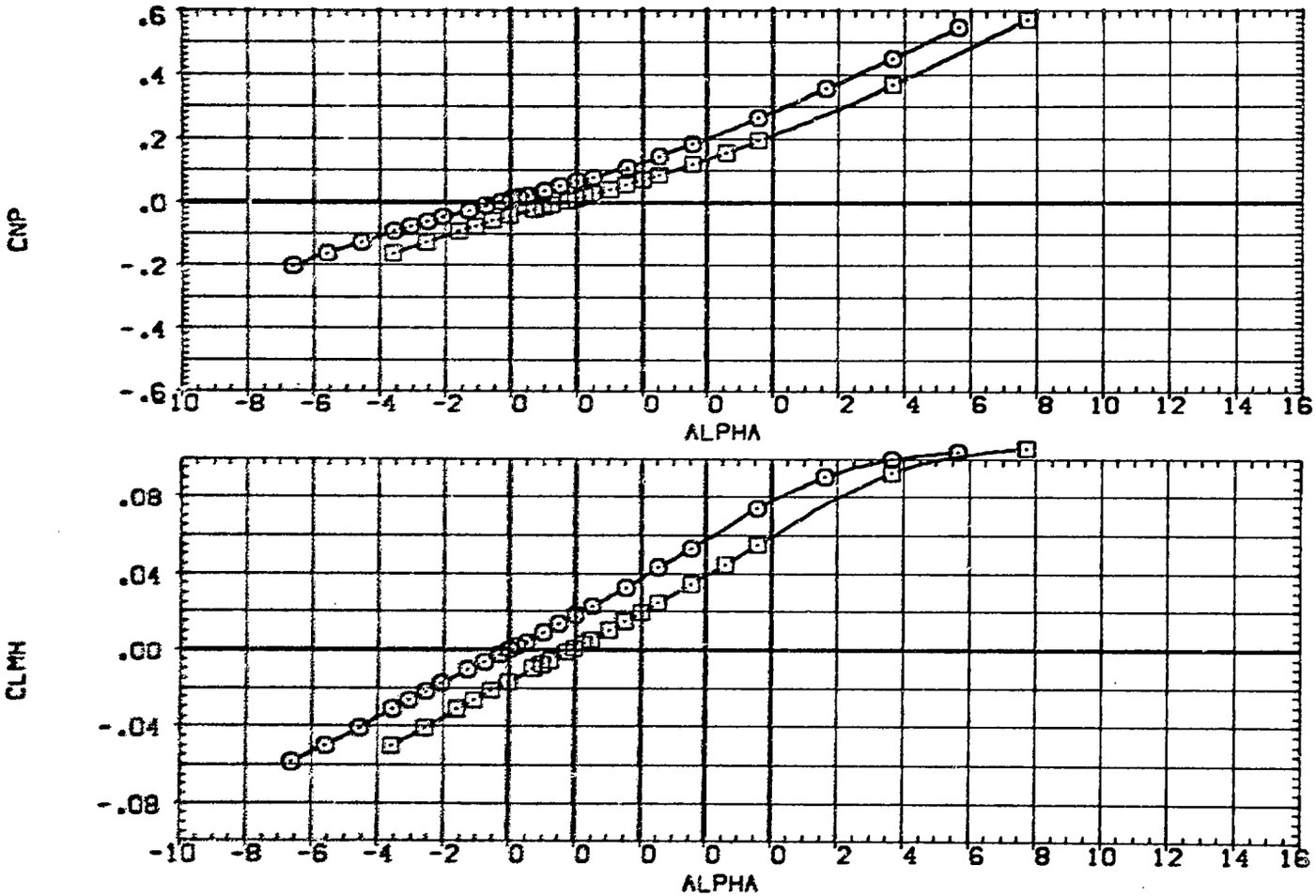


FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3L01)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.501	PHI	.000	FRCORD	7.000
○	.600	LAMBDA	.000	FIN NO	4.000
		THETA	-10.000	CR/C	1.750
		B/2C	.660		

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



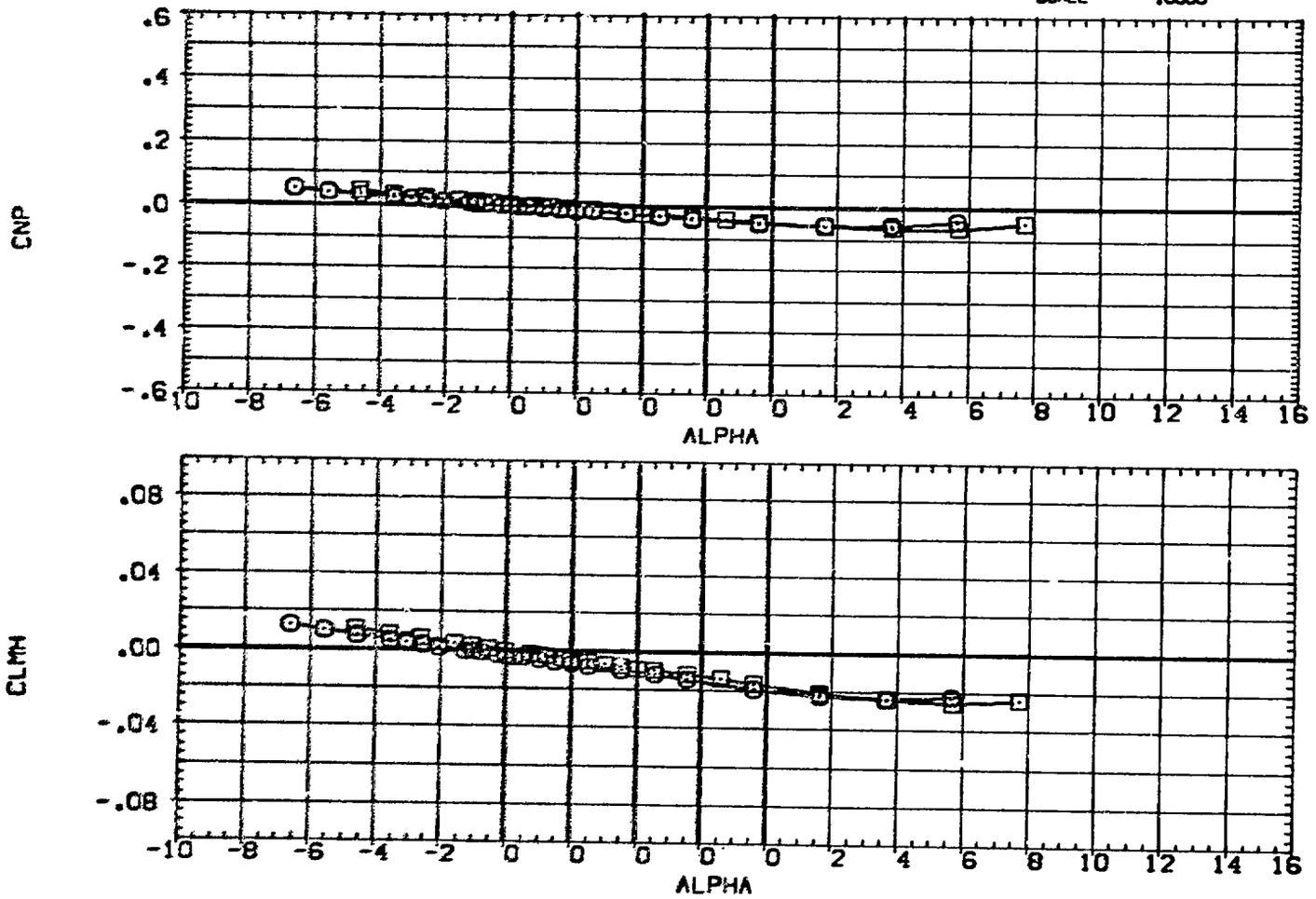
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3T02)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.501	PHI	22.500	FRCORD	7.000
□	.601	LAMBDA	.000	FIN NO	1.000
		THETA	-10.000	CR/C	1.750
		B/2C	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



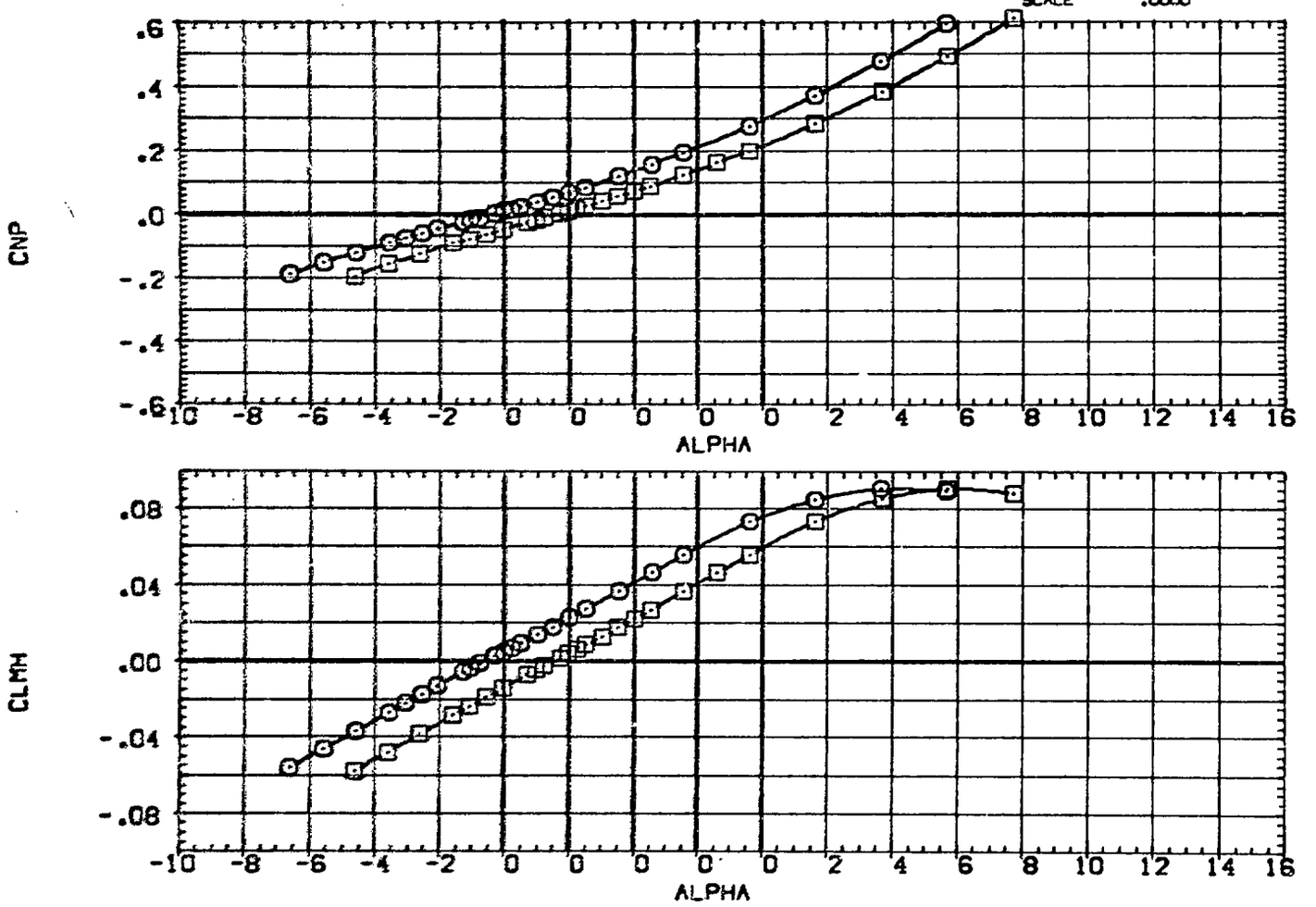
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3R02)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	22.500	FRCORD	7.000
□	.601	LAMBDA	.000	FIN NO	2.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.INS
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



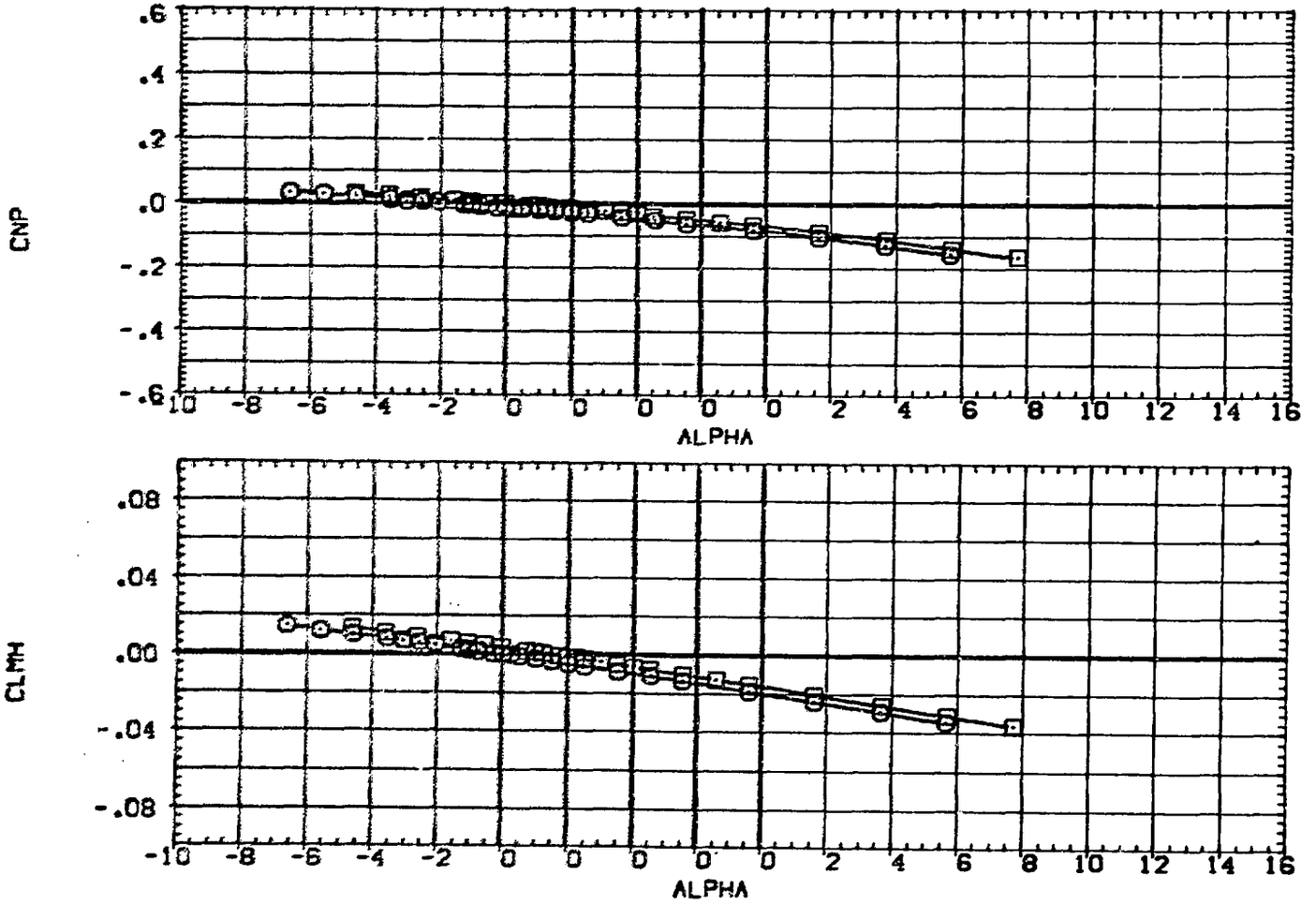
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3U02)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.501	PHI	22.500	FRCORG	7.000
□	.601	LAMBDA	.000	FIN NO	3.000
		THETA	-10.000	CR/D	1.750
		B/2S	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



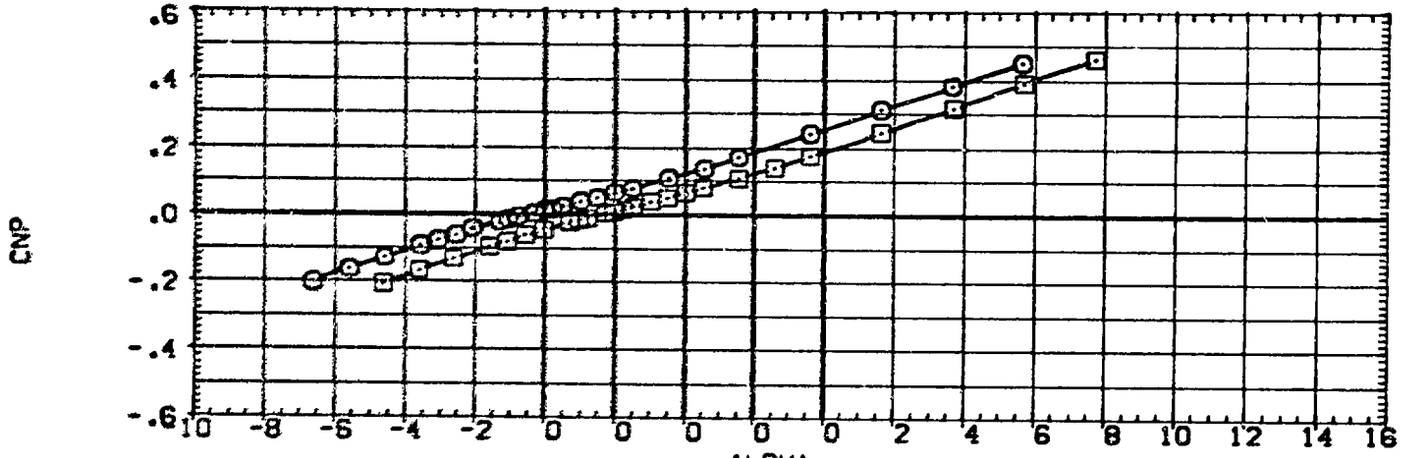
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

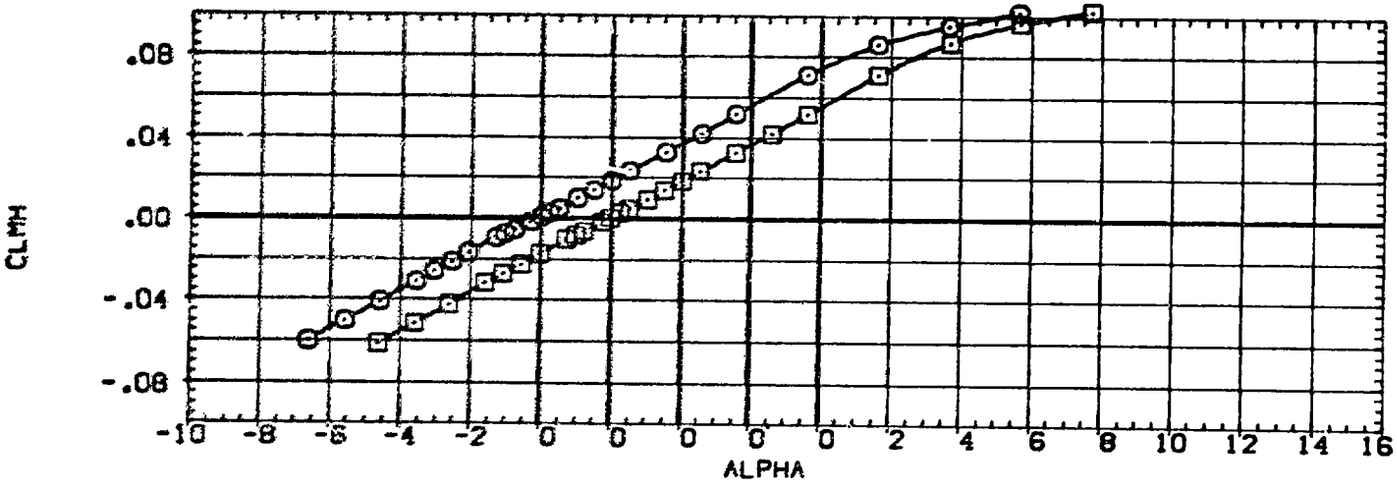
AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3L02)

SYMBOL	MACH		PARAMETRIC VALUES		
NO	.501	PHI	22.500	FRCORD	7.000
	.601	LAMBDA	.000	FIN NO	4.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





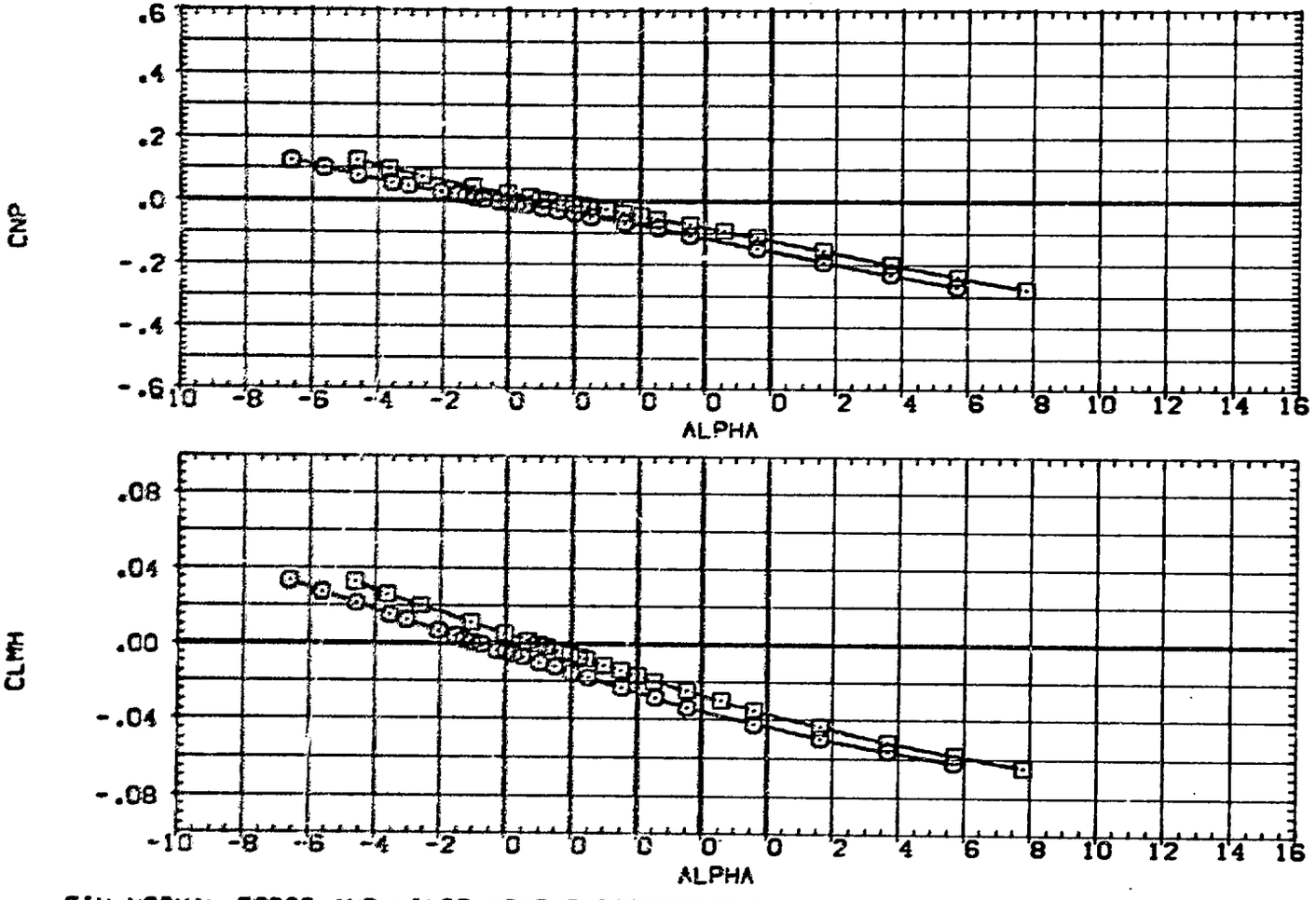
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3T03)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.505	PHI	45.000	FRORD	7.000
	.600	LAMBDA	.000	FIN NO	1.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	10.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



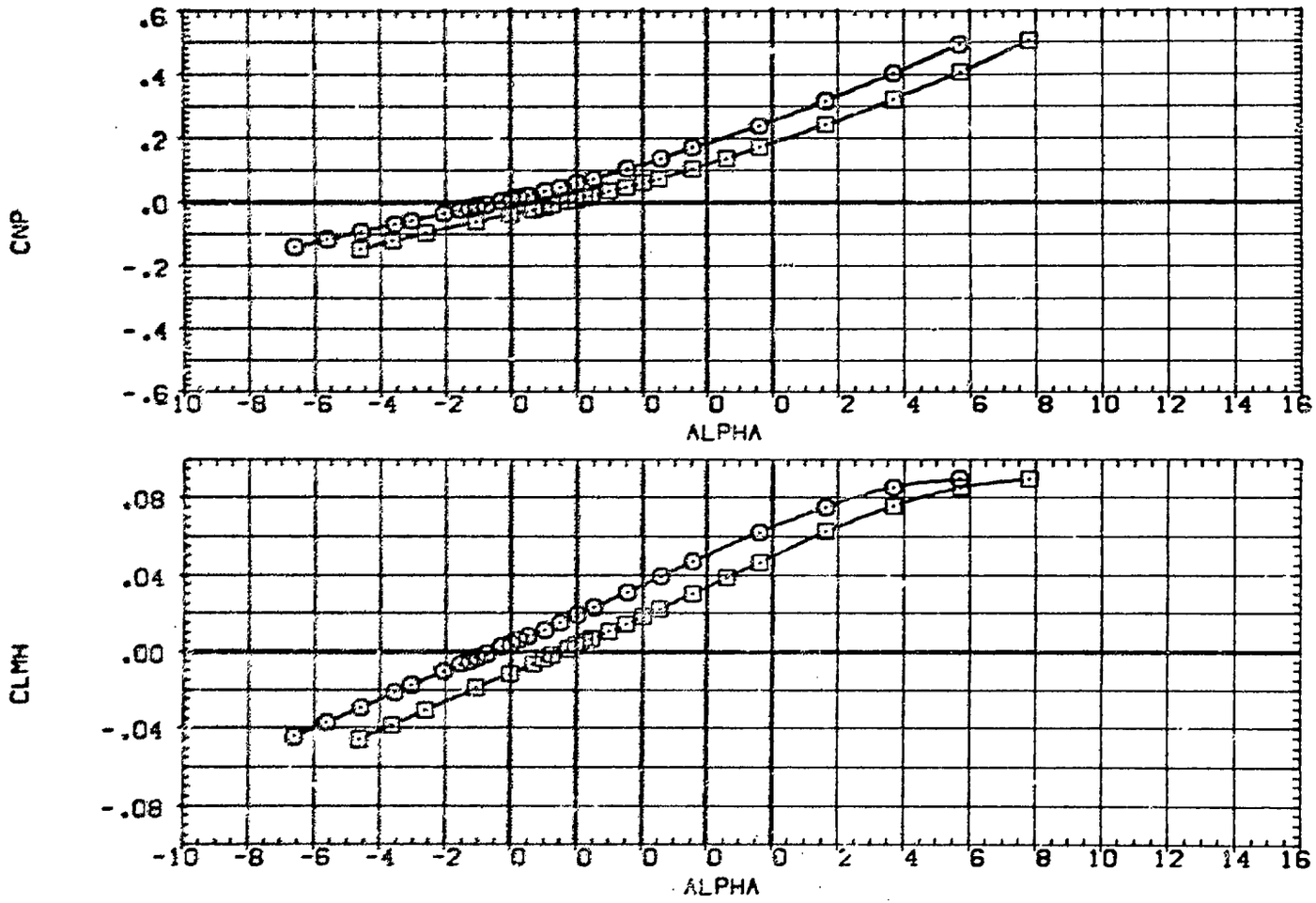
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3R03)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCORD	7.000
□	.600	LAMBDA	.000	FIN NO	2.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	19.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



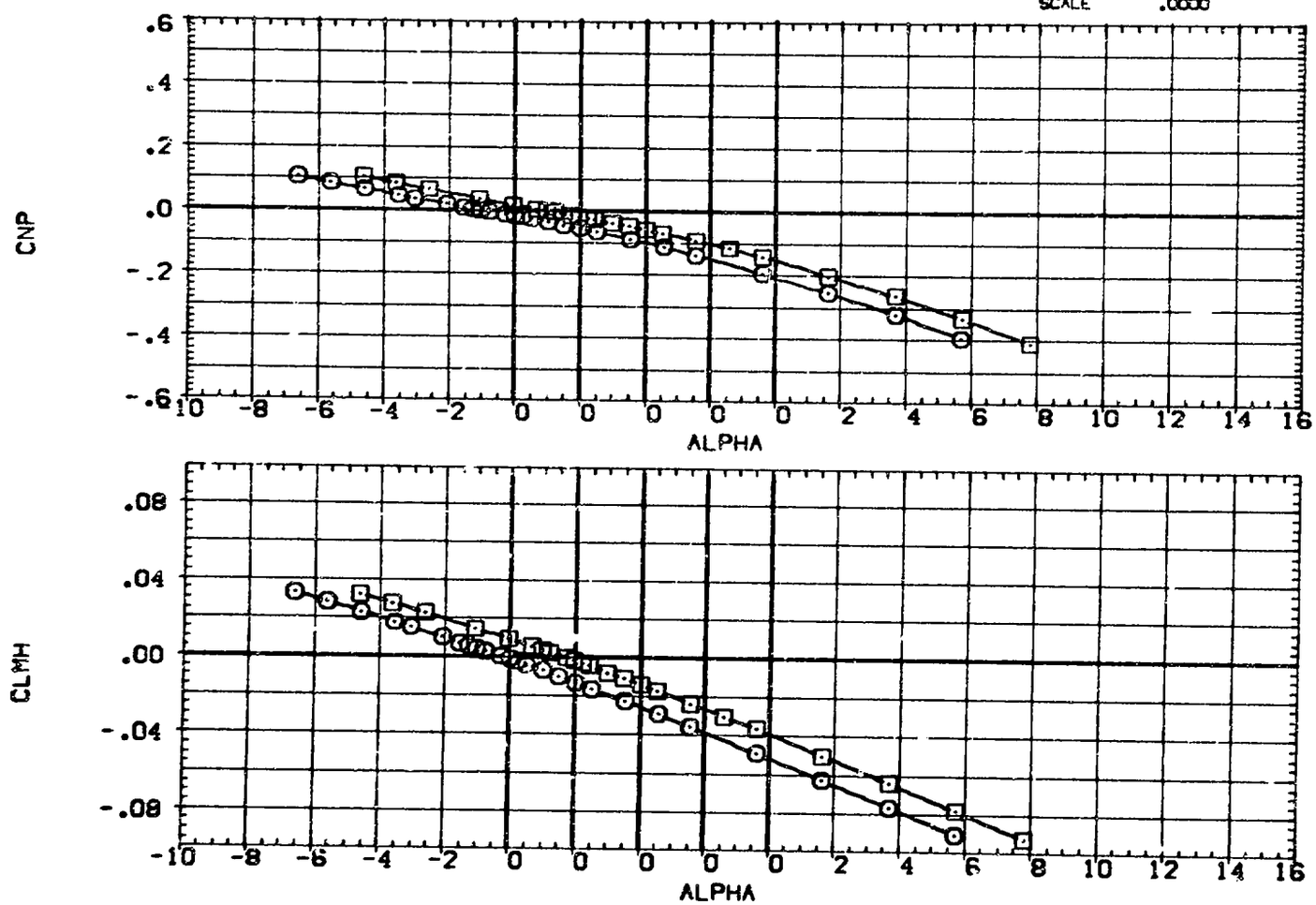
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3U03)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCORD	7.000
	.600	LAMBDA	.000	FIN NO	3.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	18.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

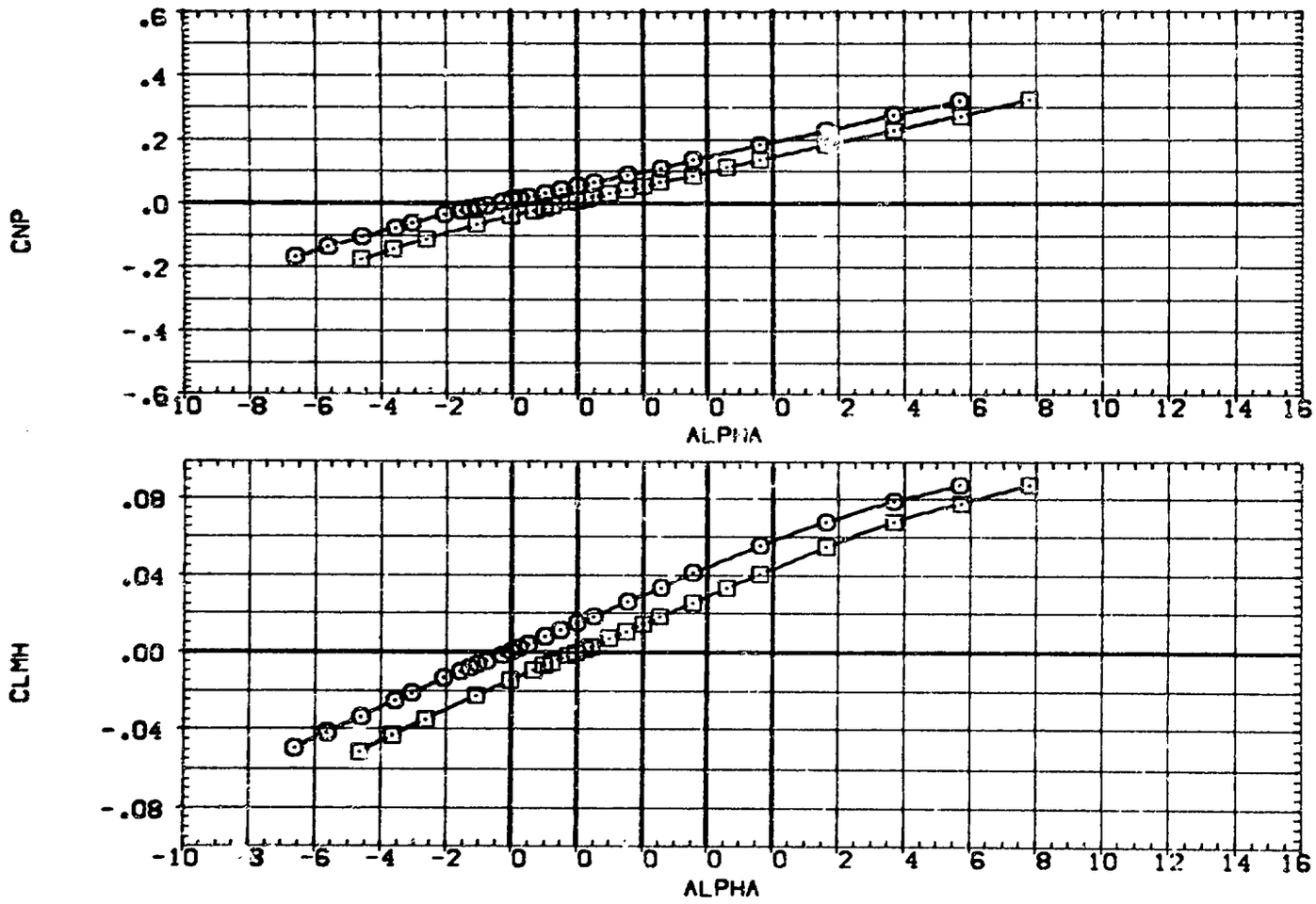


FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3L03)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.505	PHI	45.000	FRCORD	7.000
□	.600	LAMBDA	.000	FIN NO	4.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



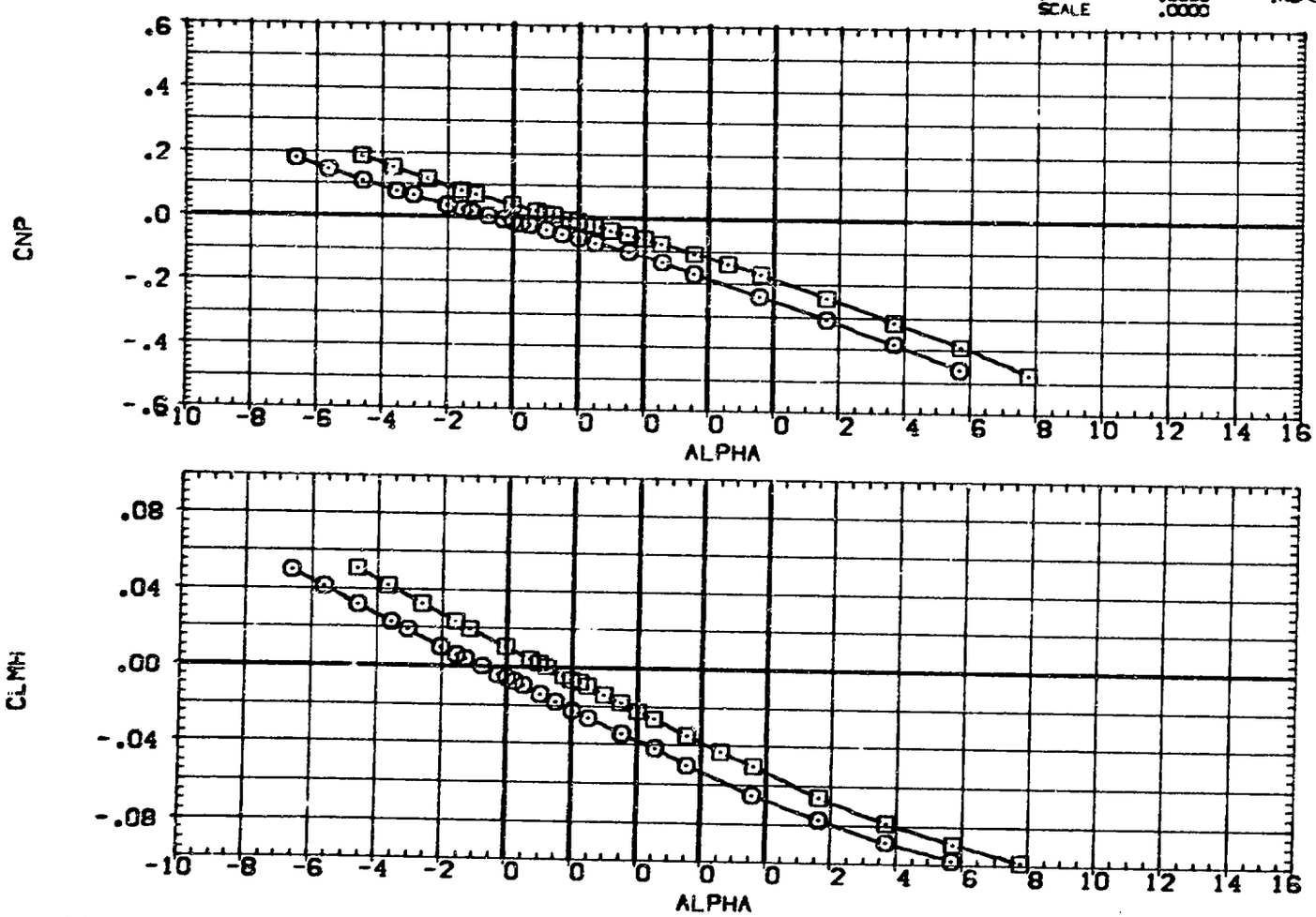
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3T04)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	67.500	FRCORD	7.000
□	.604	LAMBDA	.000	FIN NO	1.000
		THETA	-10.000	DR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

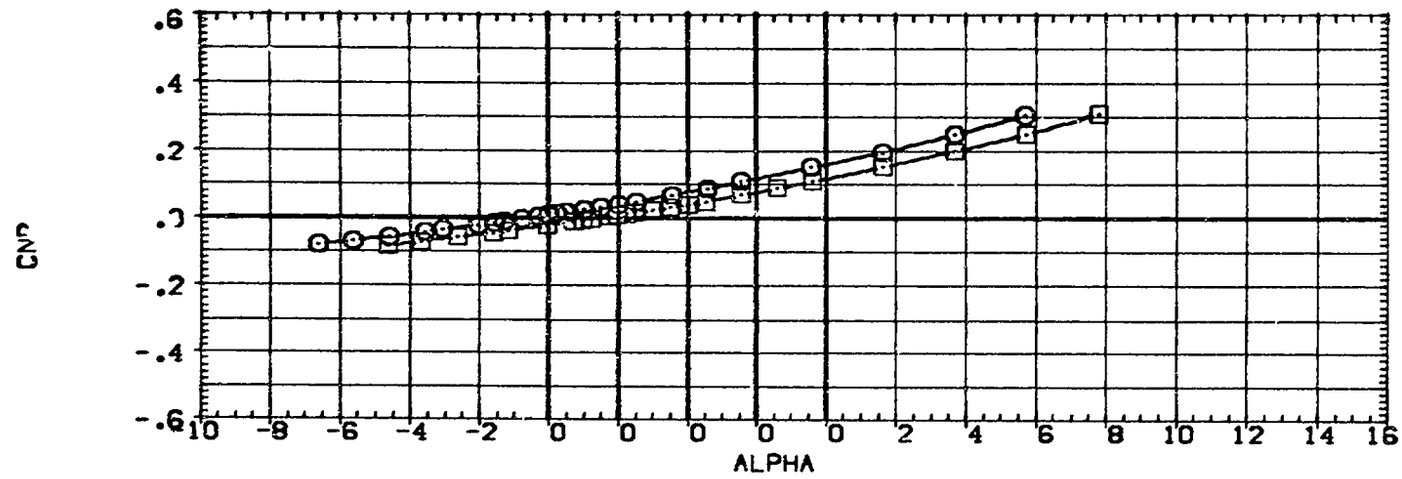


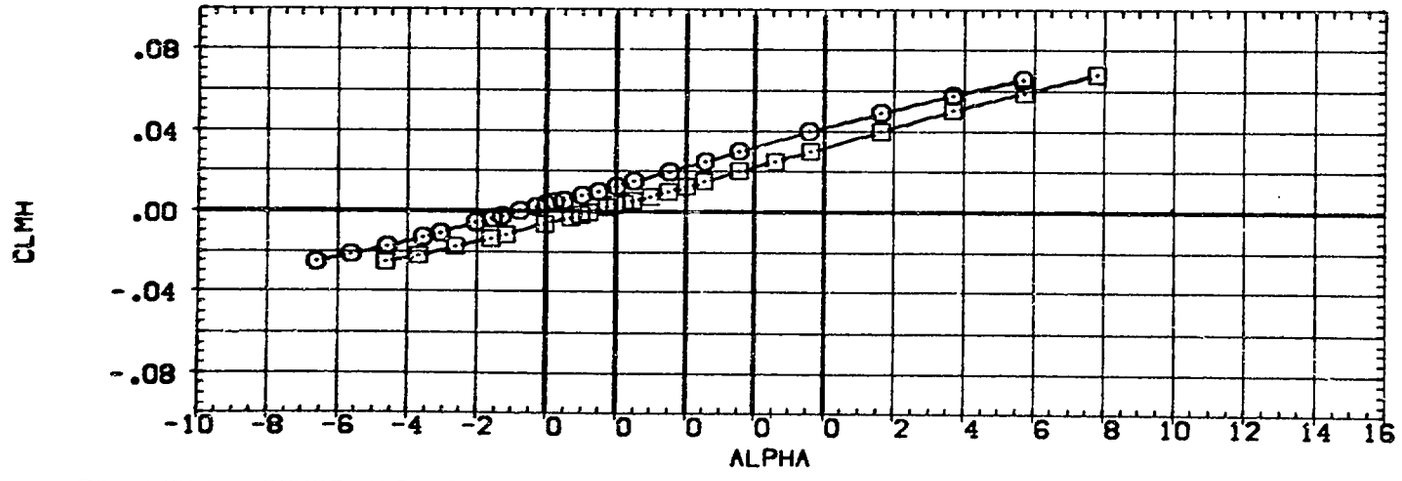
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3R04)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	67.500	FRCORD	7.000
□	.604	LAMBDA	.000	FIN NO	2.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





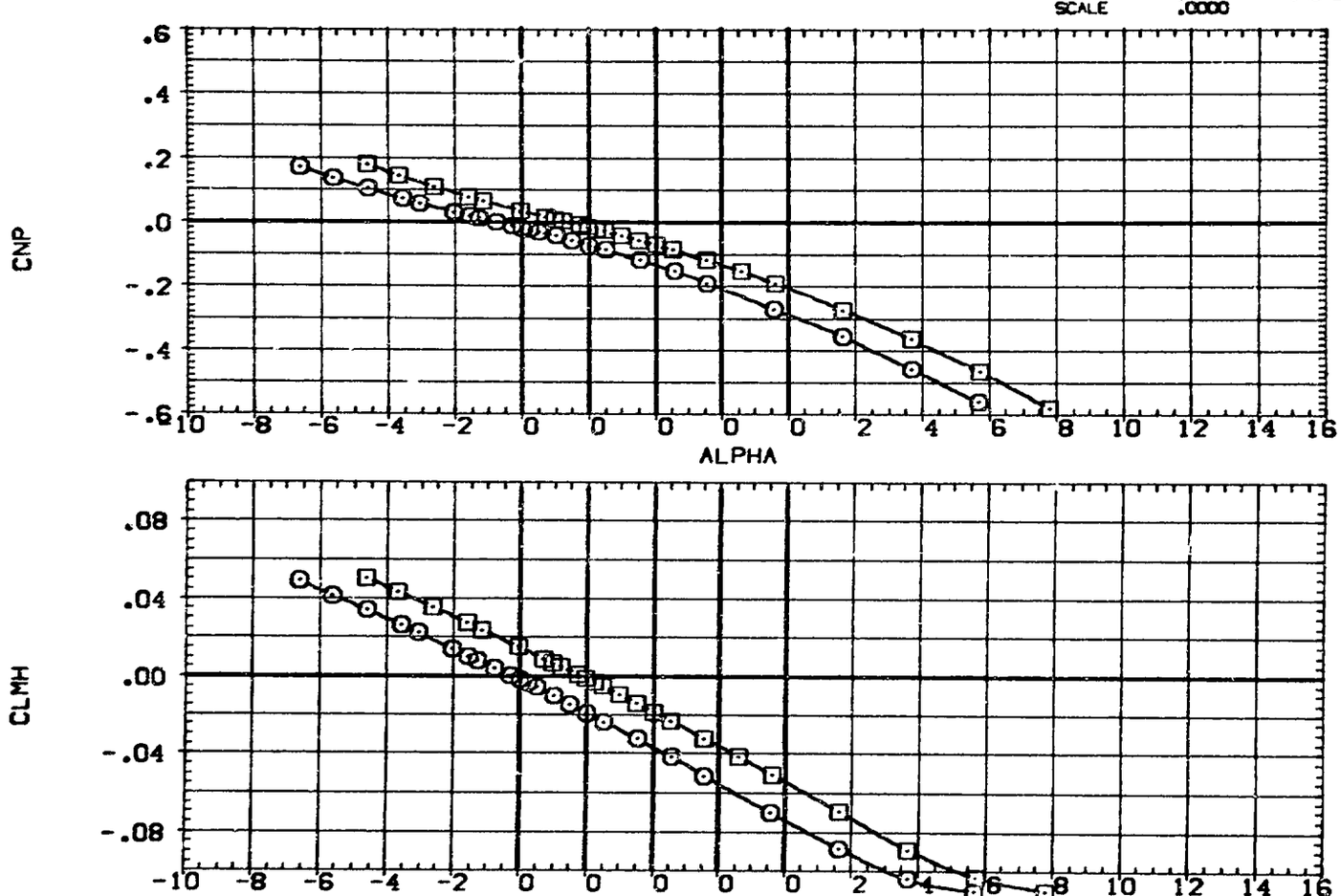
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3U04)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	67.500	FRCORD	7.000
□	.604	LAMBDA	.000	FIN NO	3.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



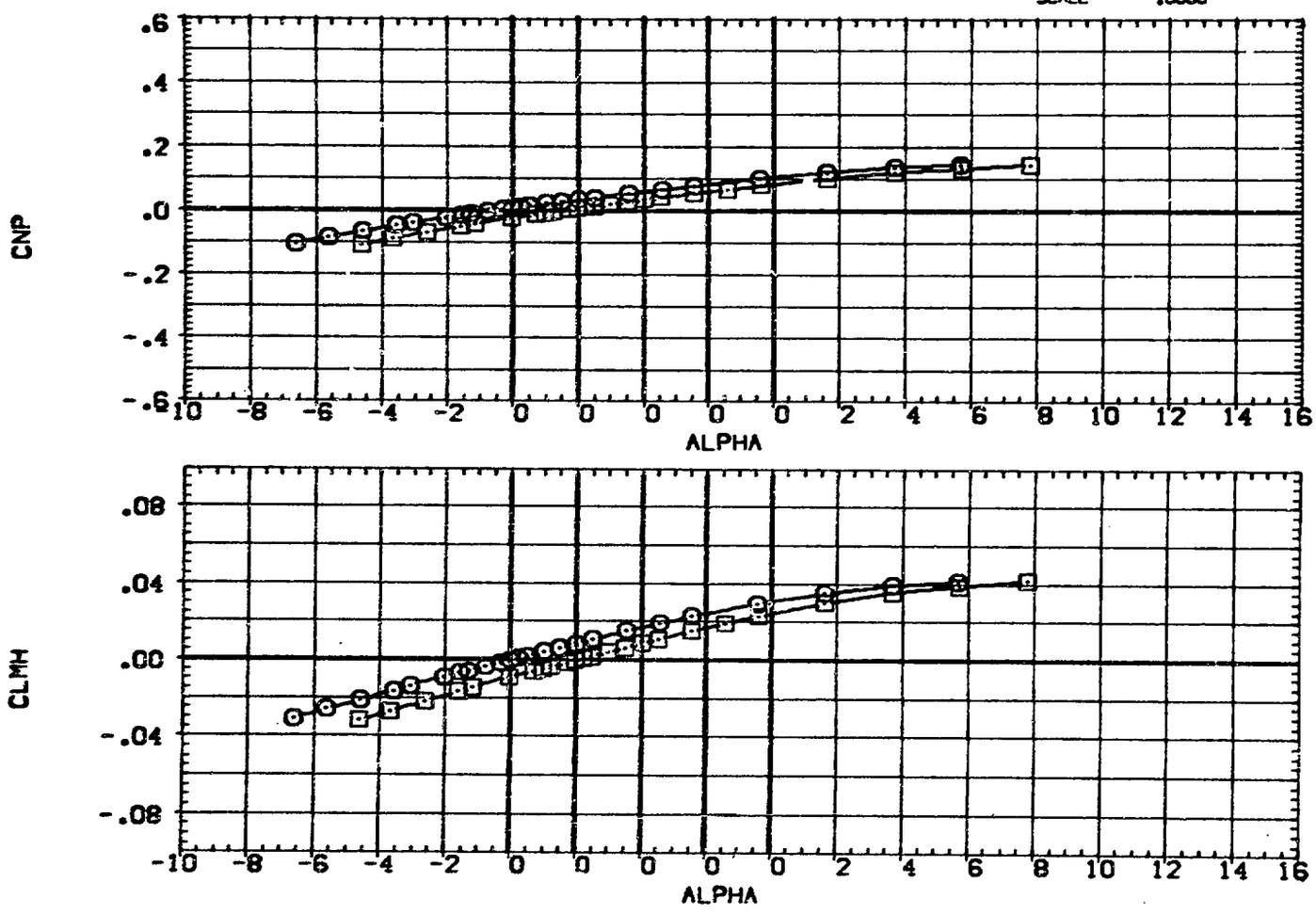
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3L04)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.503	PHI	67.500	FRCORD	7.000
□	.604	LAMBDA	.000	FIN NO	4.000
		THETA	-10.000	CR/D	1.750
		B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



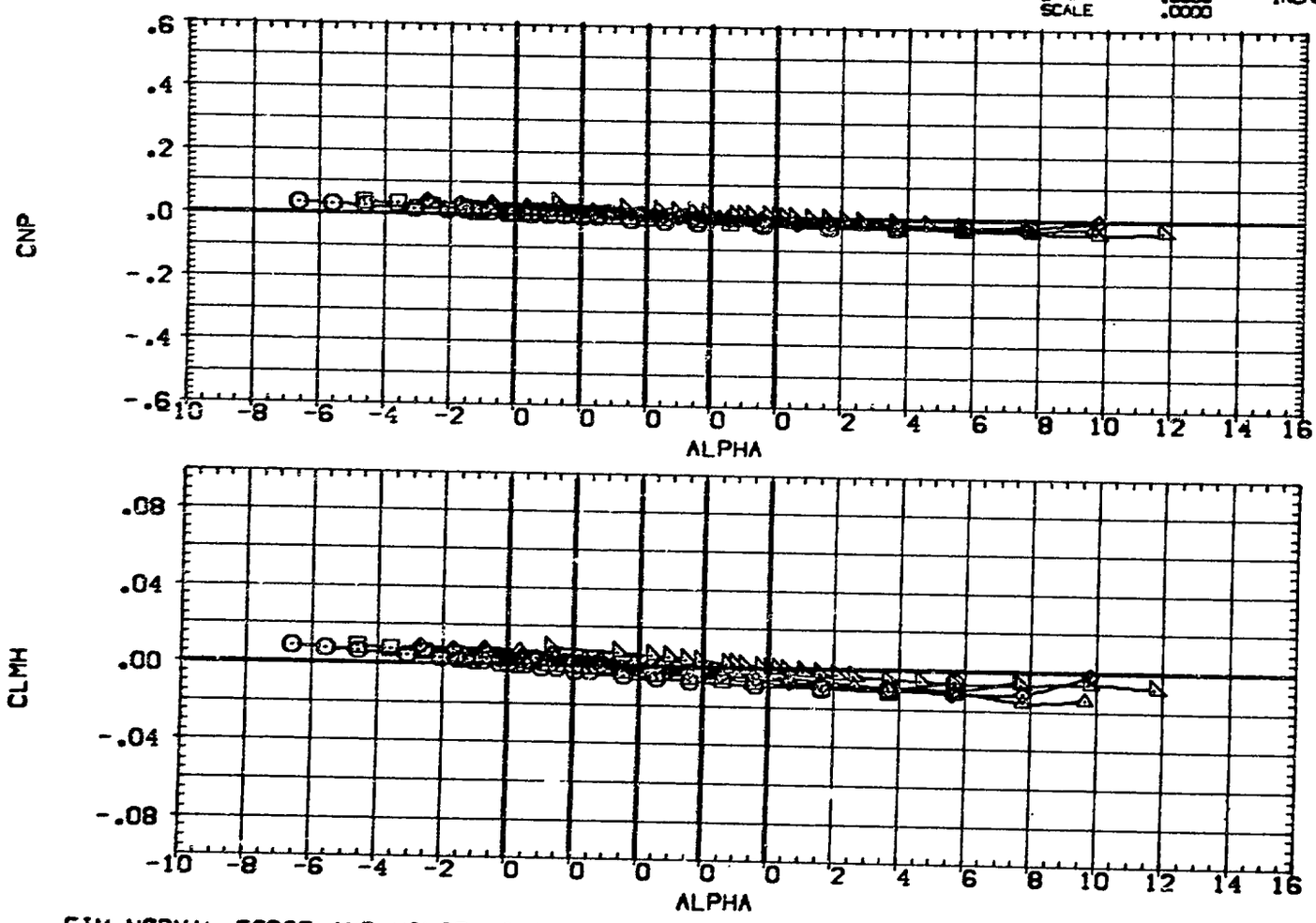
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = -10.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3T14)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	.000	FRCORD	7.000
□	.601	LAMBDA	.000	FIN NO	1.000
◇	.801	THETA	22.500	CR/D	1.750
4	.897	B/2D	.660		
△	.951				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



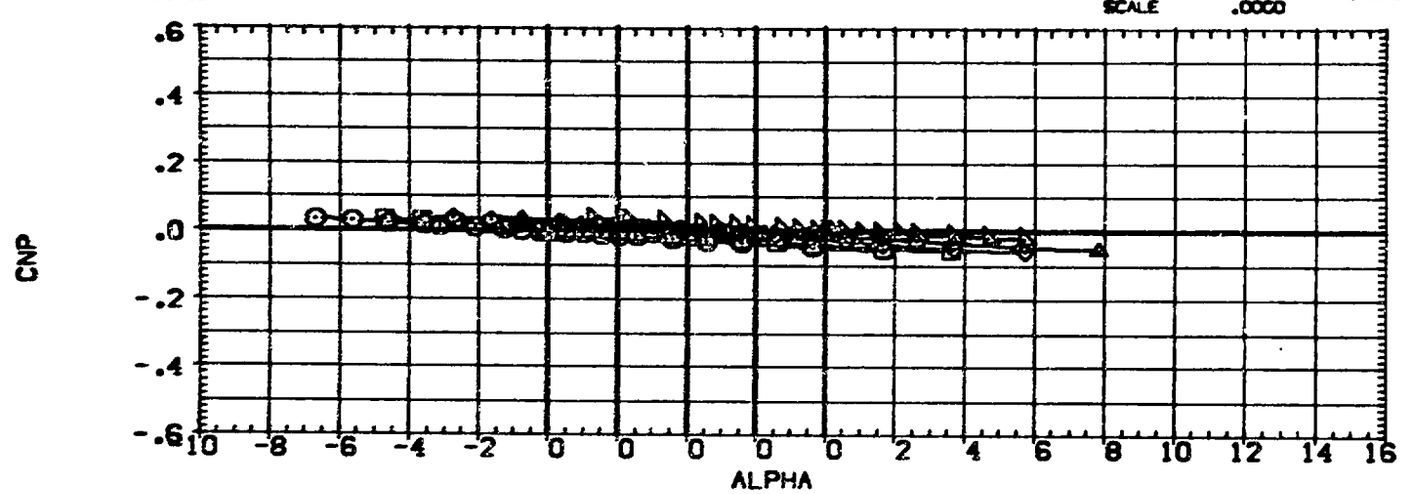
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

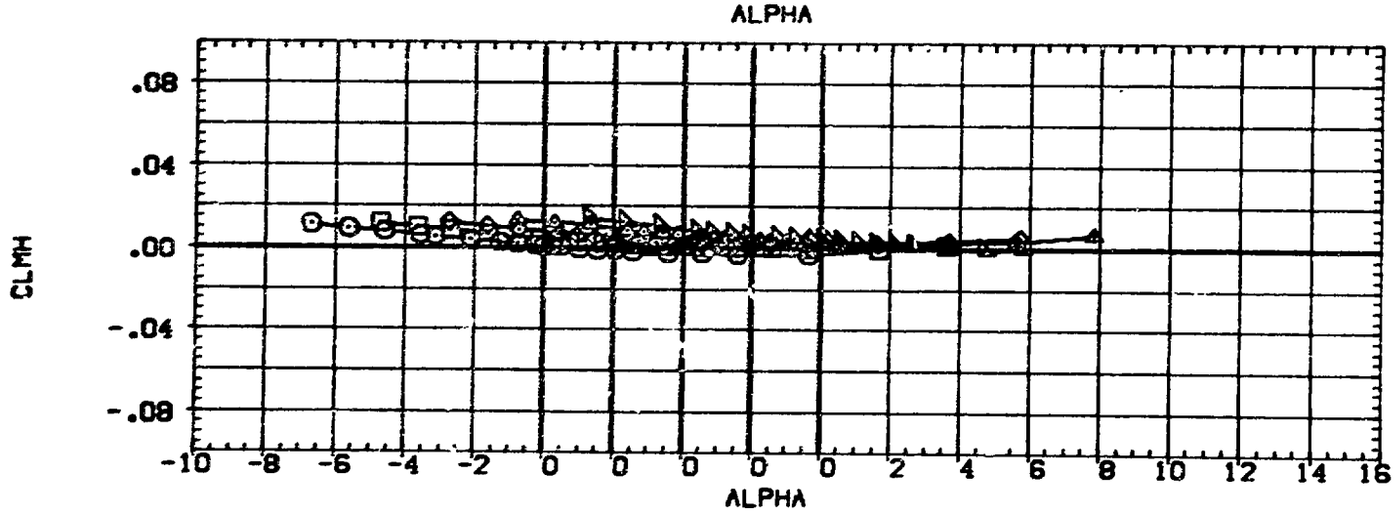
AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3T14)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.003	PHI	.000	FRCORD	7.000
□	1.047	LAMBDA	.000	FIN NO	1.000
◇	1.102	THETA	22.500	CR/D	1.750
△	1.201	B/2D	.660		
◁	1.285				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



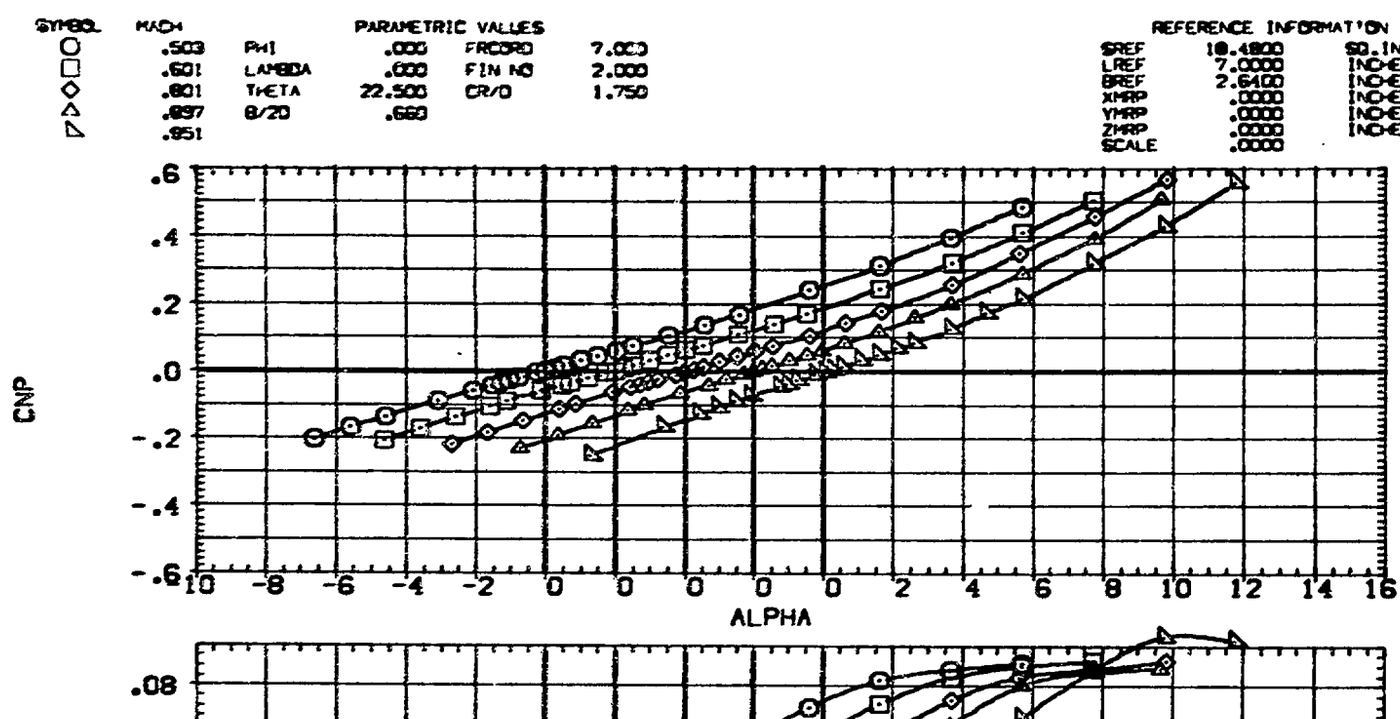


FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3R14)

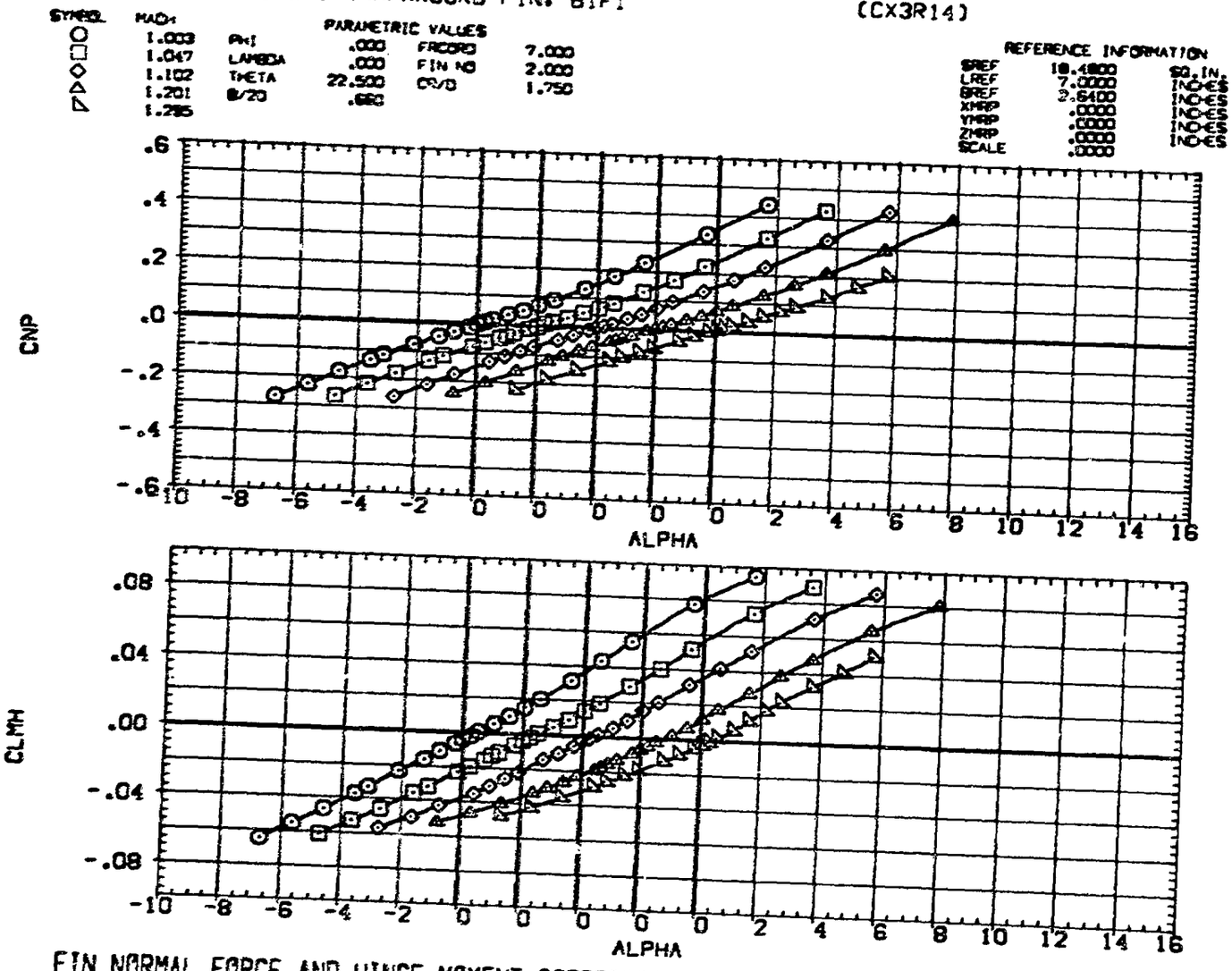
SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	.000	FRCORD	7.000
□	.601	LAMBDA	.000	FIN NO	2.000
◇	.801	THETA	22.500	CR/D	1.750
△	.897	B/2D	.660		
◁	.951				

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3R14)

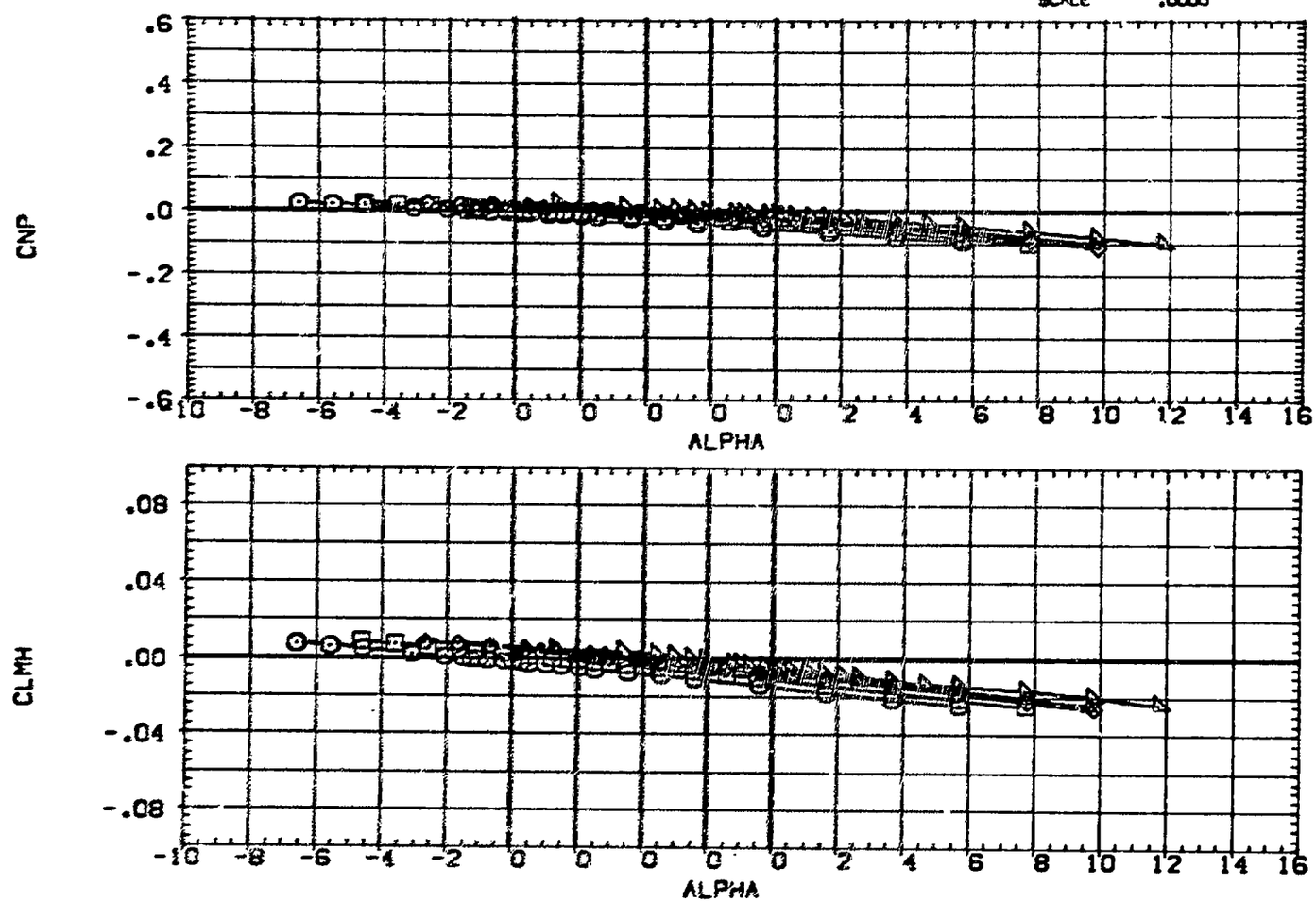


FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3U14)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	.000	FRORO	7.000
□	.601	LAMBDA	.000	FIN NO	3.000
◇	.801	THETA	22.500	CR/D	1.750
△	.897	B/2D	.666		
◁	.951				

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6460	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



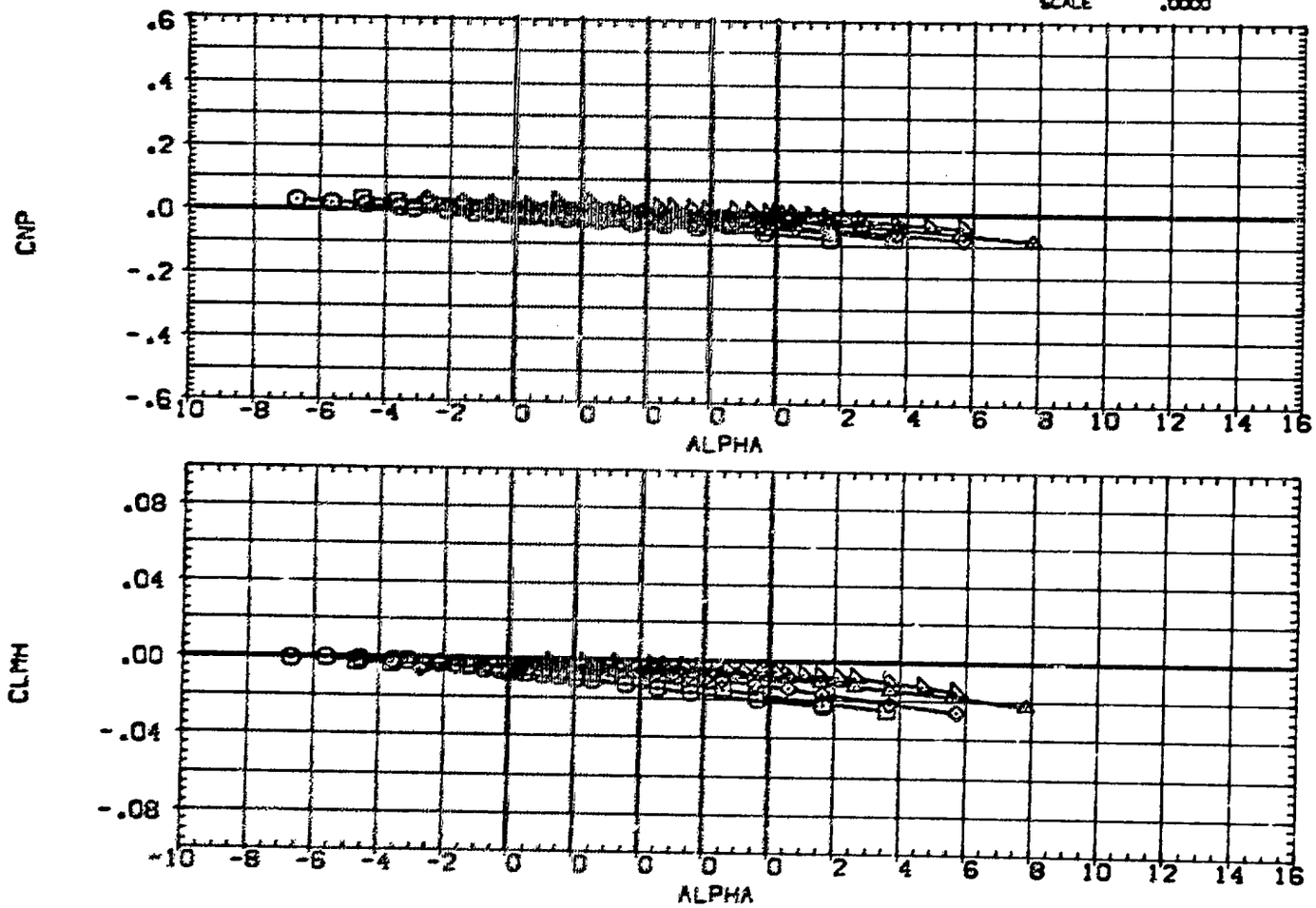
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. BIF1 (CX3U14)

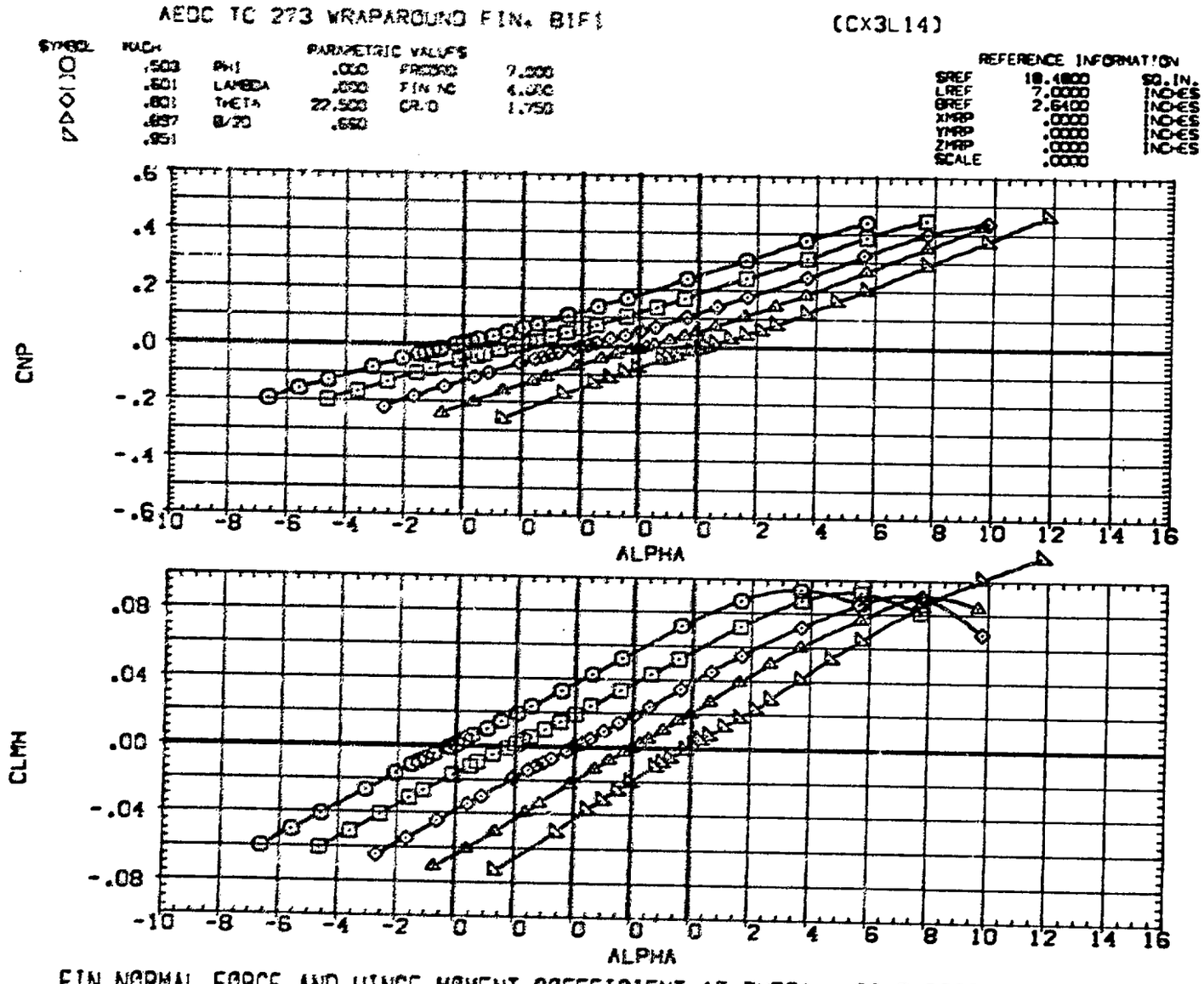
SYMBOL	MACH		PARAMETRIC VALUES		
○	1.003	PHI	.000	FRCORD	7.000
□	1.047	LAMBDA	.000	FIN NO	3.000
◇	1.102	THETA	22.500	CR/C	1.750
△	1.201	B/2S	.660		
	1.295				

REFERENCE INFORMATION

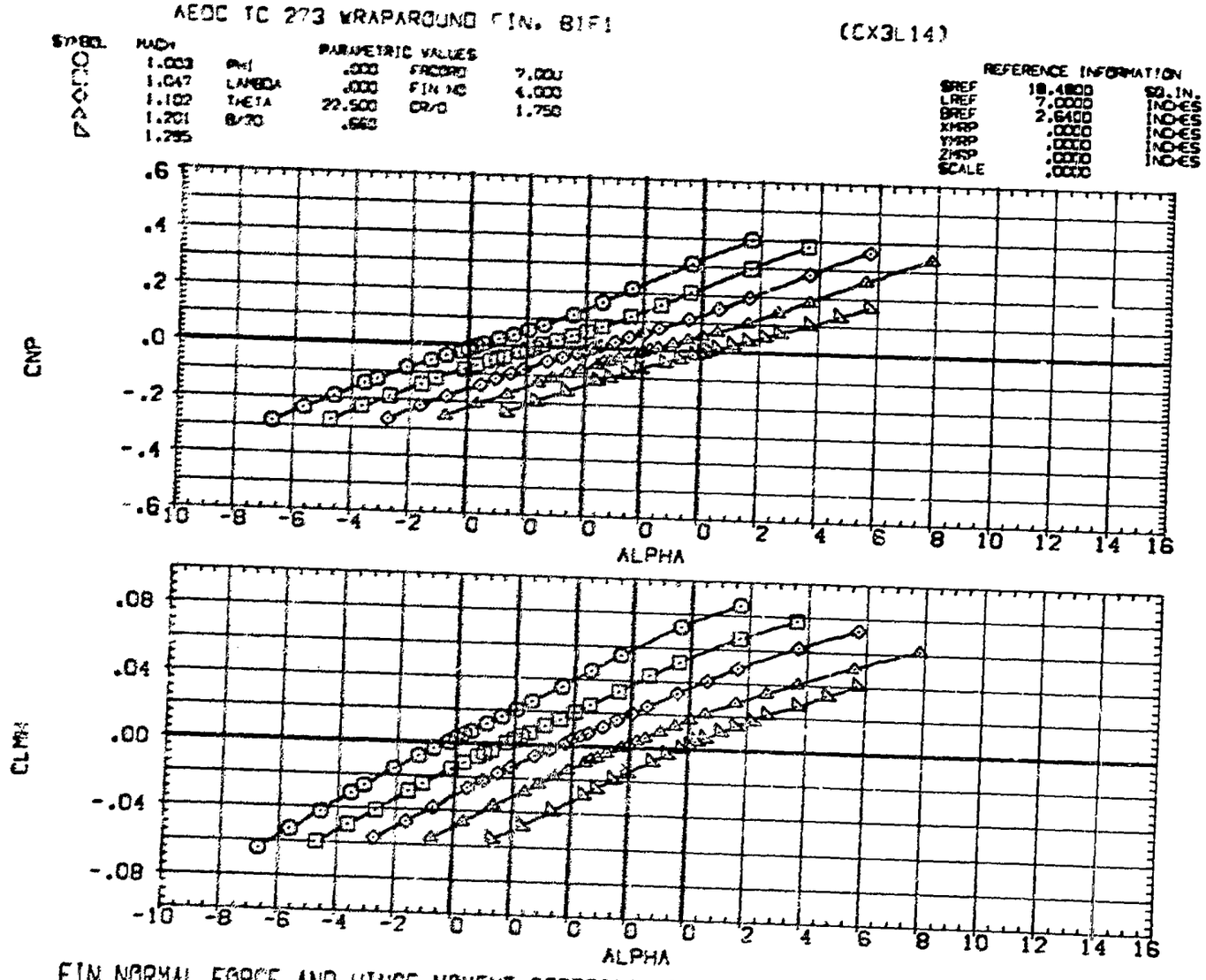
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3T15)

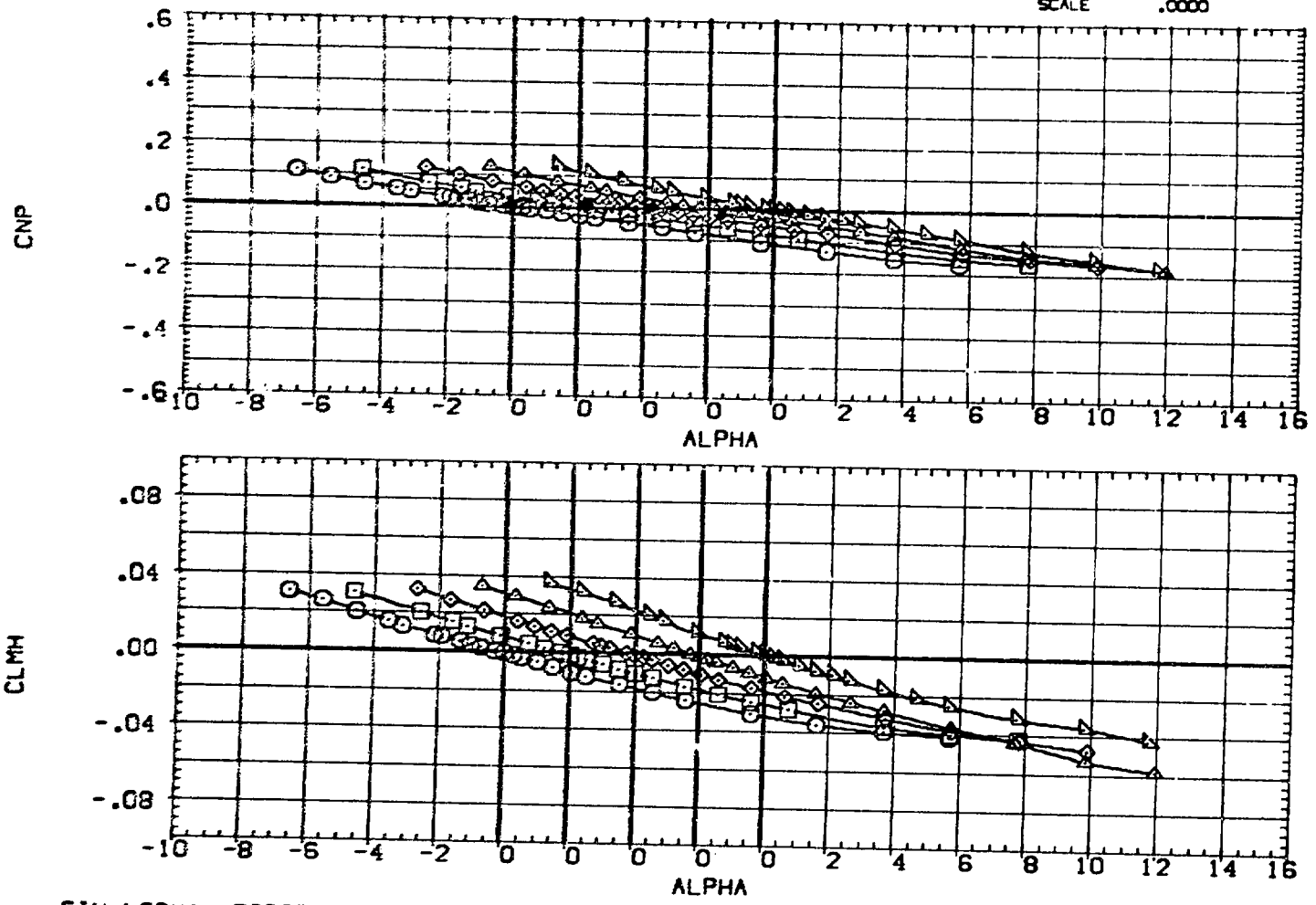
SYMBOL	MACH
O	.500
	.600
	.800
	.900
	.946

PARAMETRIC VALUES

PHI	22.500	FRCORD	7.000
LAMBDA	.000	FIN NO	1.000
THETA	22.500	CR/B	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



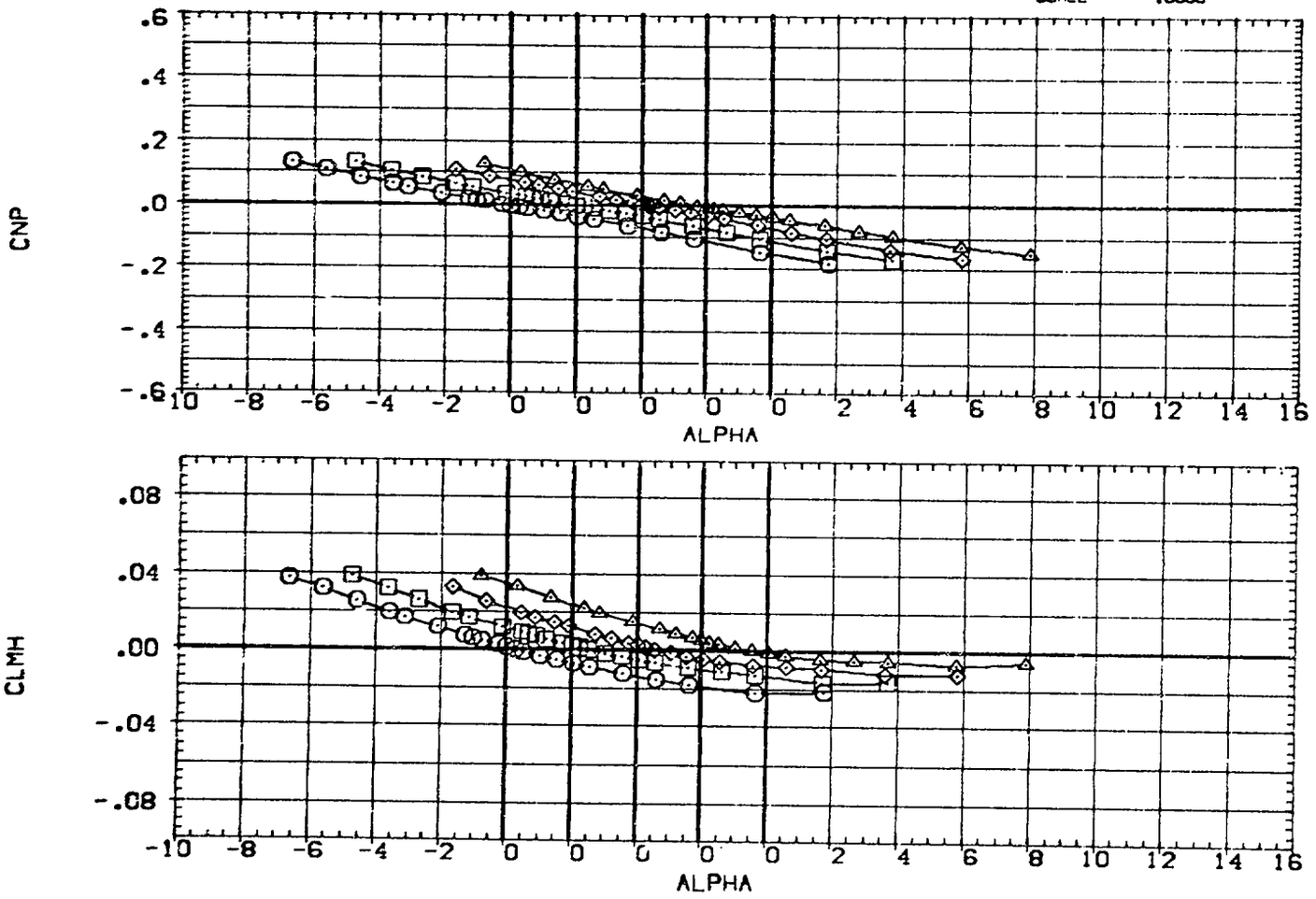
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3T15)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.996	PHI	22.500	FRCORD	7.000
□	1.047	LAMBDA	.000	FIN NO	1.000
◇	1.098	THETA	22.500	CR/D	1.750
△	1.201	B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



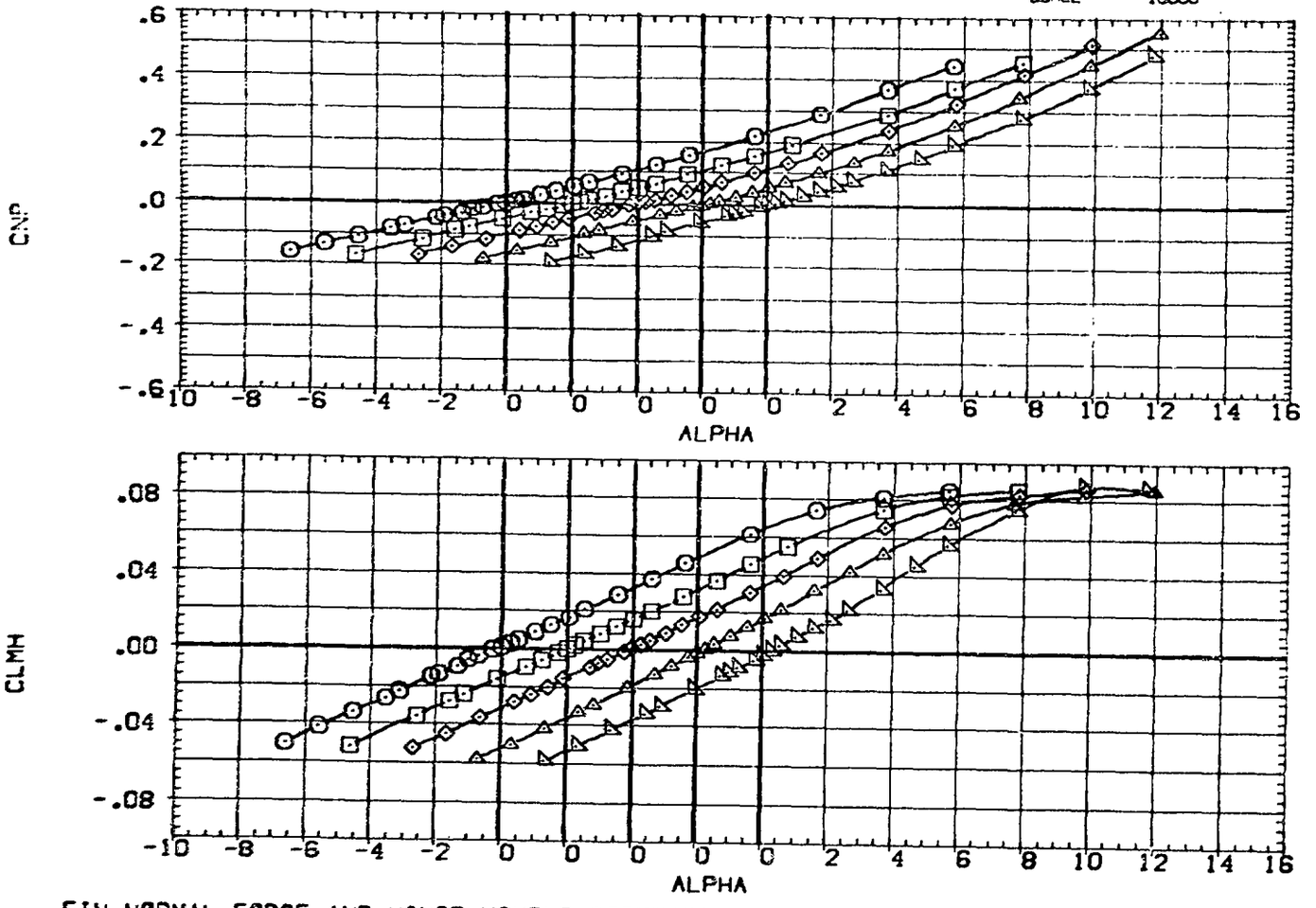
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3R15)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.500	PHI	22.500	FRCORD	7.000
□	.600	LAMBDA	.000	FIN NO	2.000
◇	.800	THETA	22.500	CR/D	1.750
△	.900	B/2D	.660		
▽	.946				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



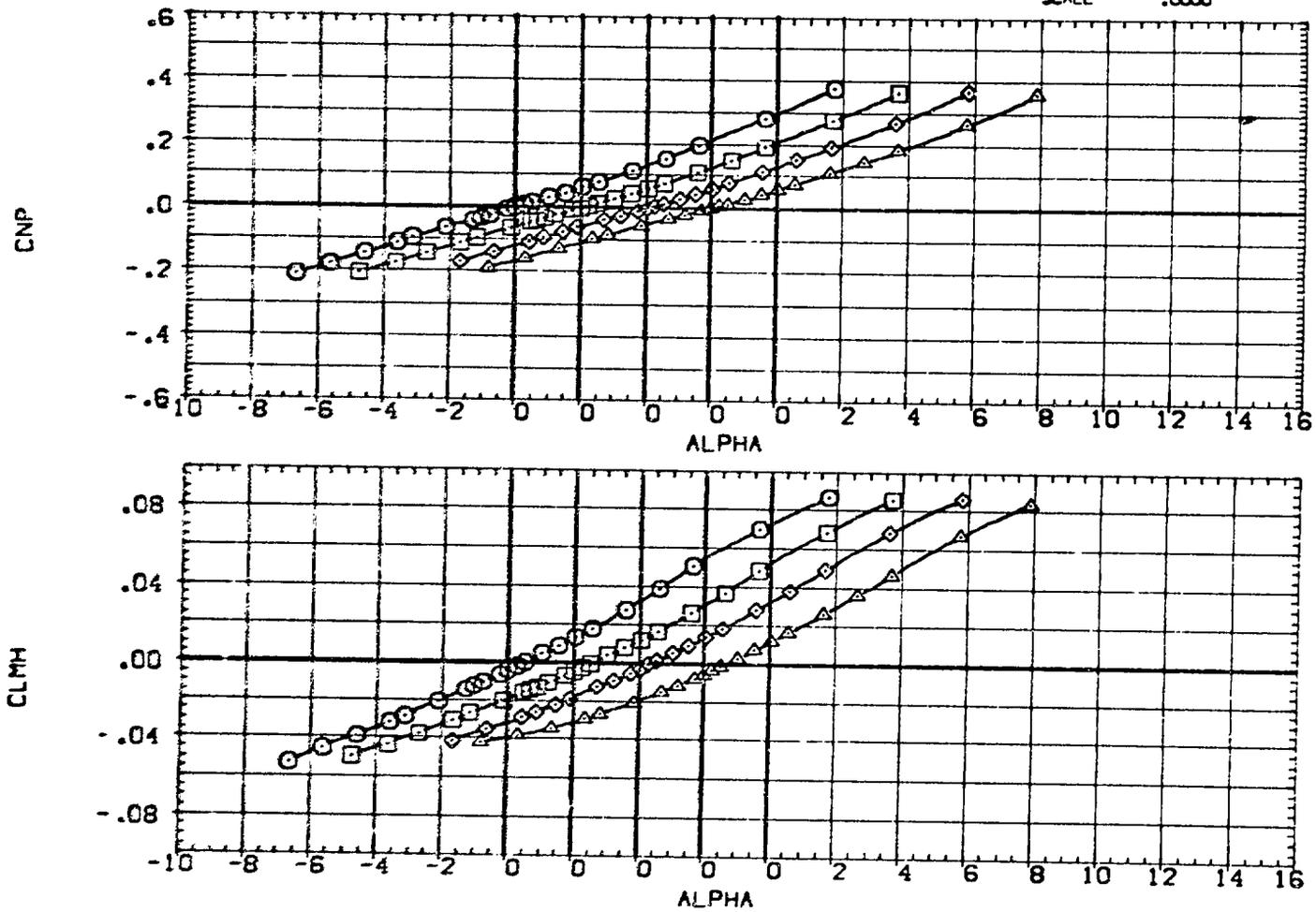
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3R15)

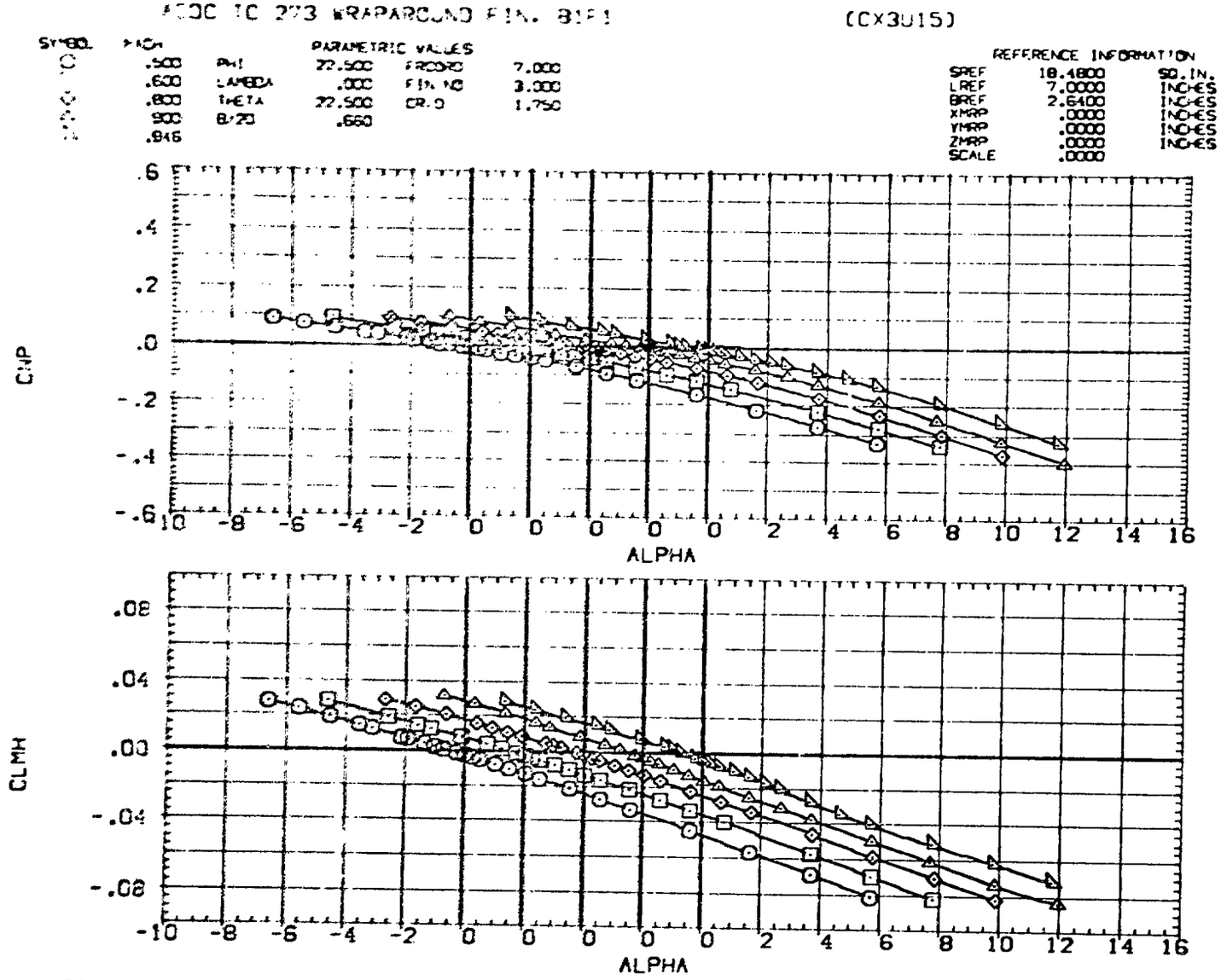
SYMBOL	MACH	PARAMETRIC VALUES			
□	.896	PHI	22.500	FRCORD	7.000
◇	1.047	LAMBDA	.000	FIN NO	2.000
○	1.098	THETA	22.500	CR/B	1.750
△	1.201	B/2R	.660		

REFERENCE INFORMATION

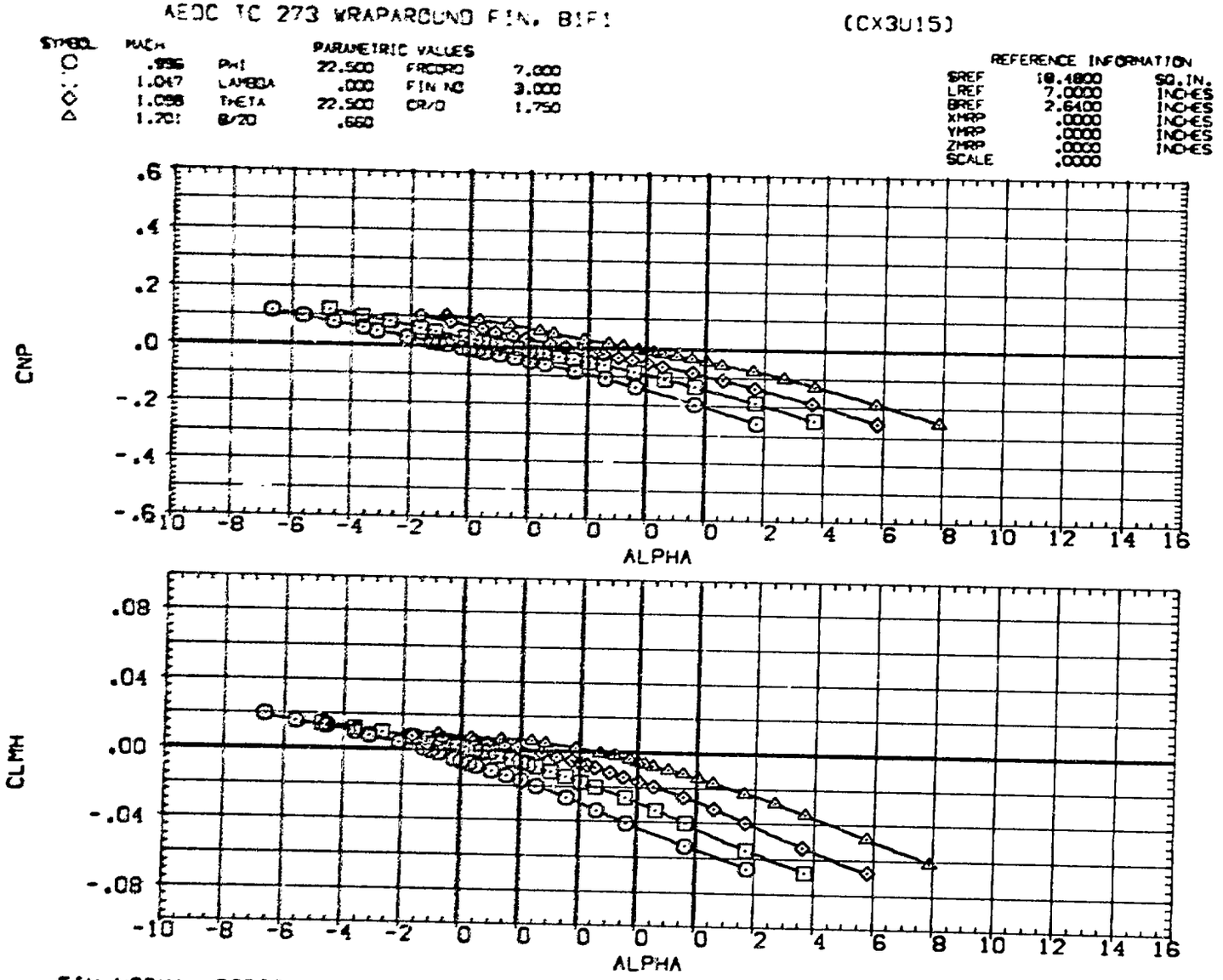
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



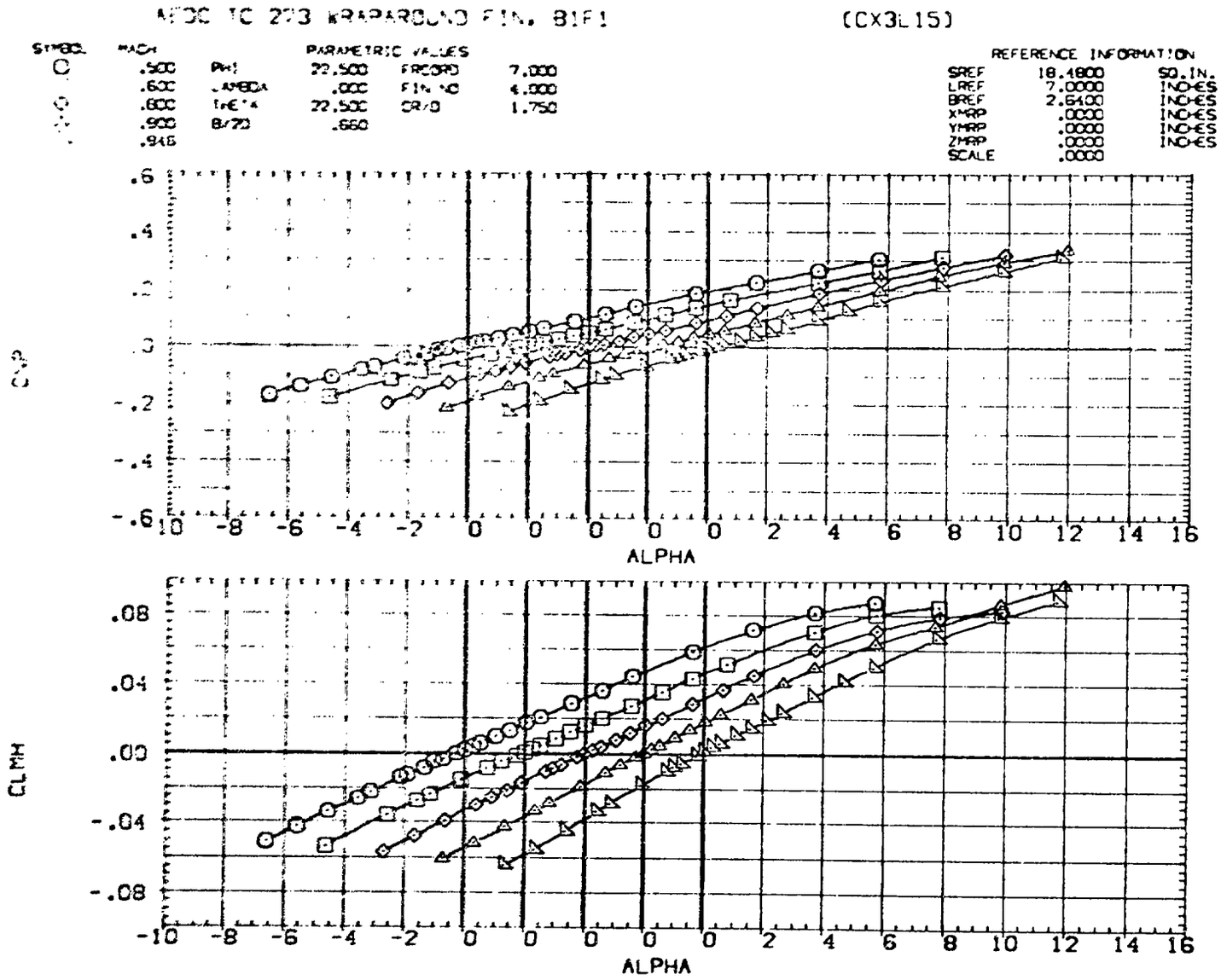
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



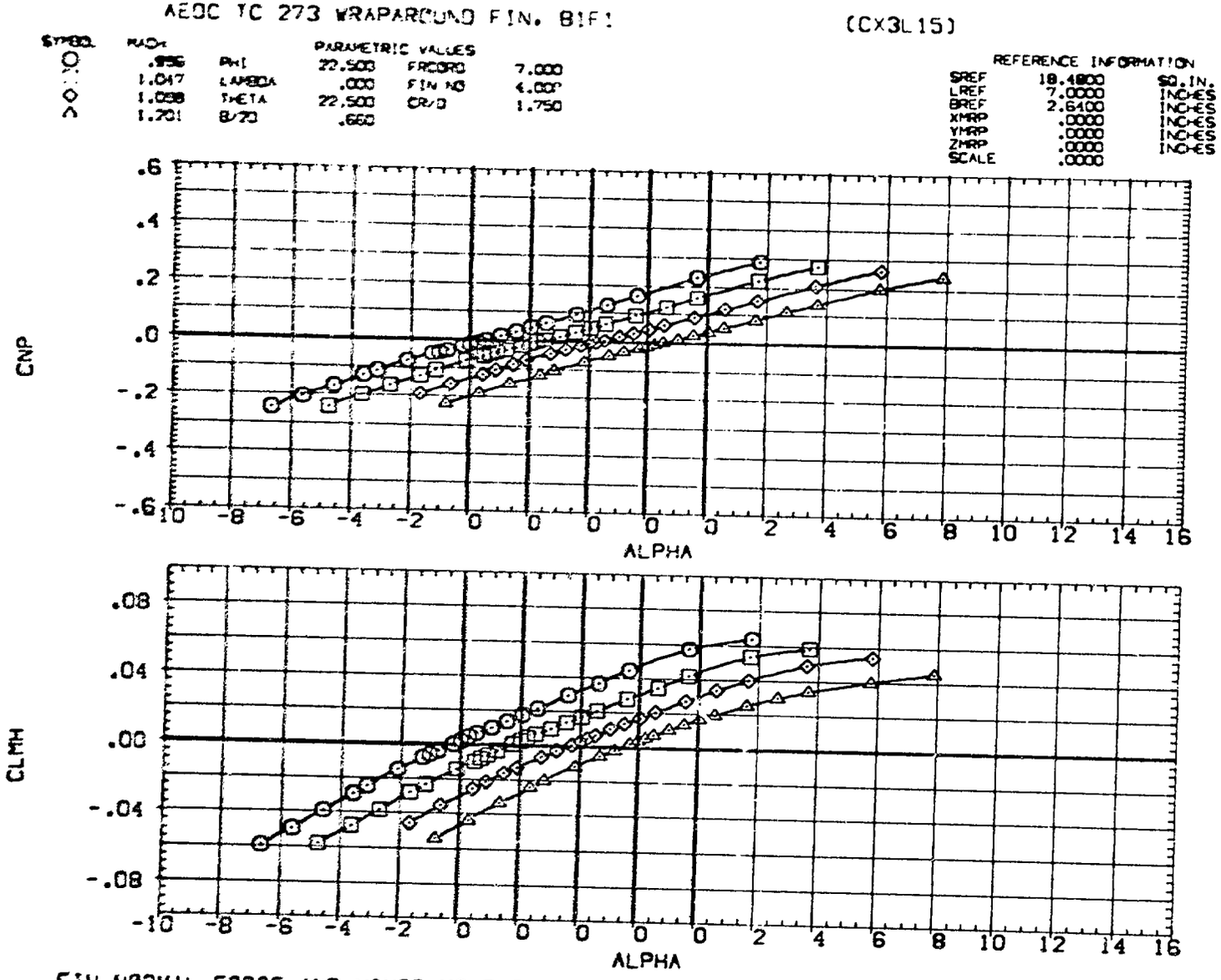
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

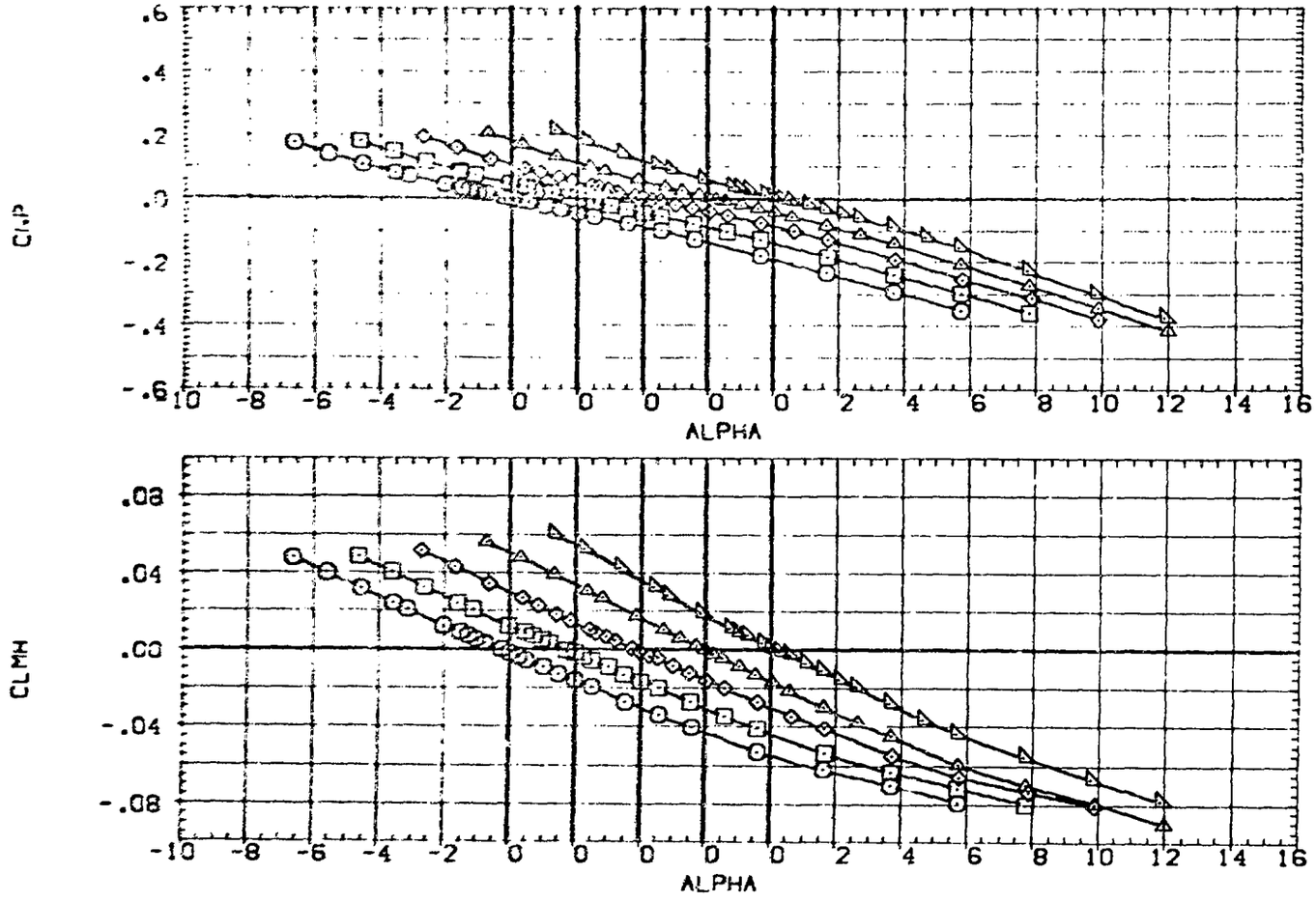


FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

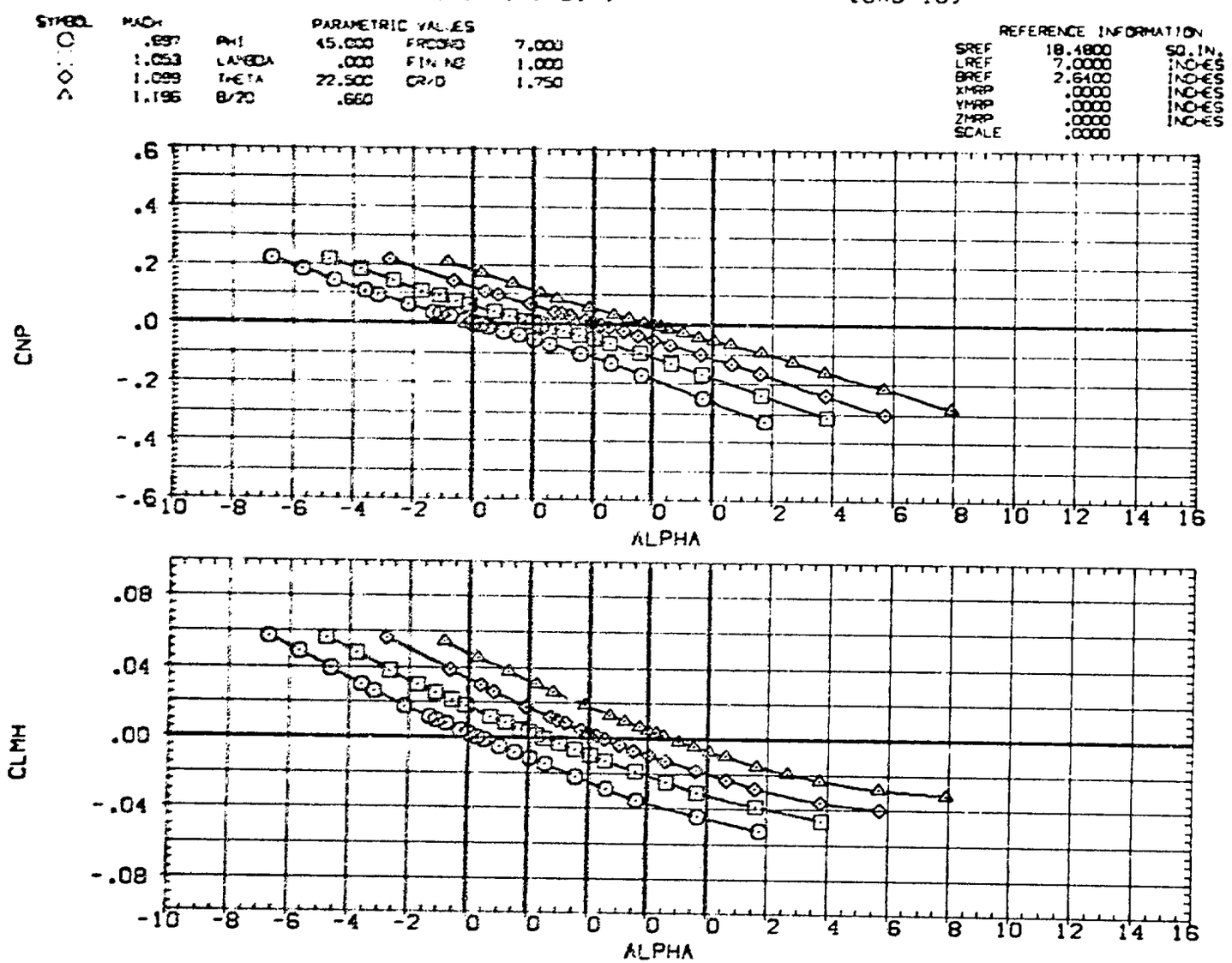
SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	45.000	FRCRD	7.000
□	.601	LAMBDA	.000	FIN NO	1.000
◇	.800	THETA	22.500	CR/D	1.750
△	.897	B/2D	.660		
▽	.948				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC 'C 2'3 WRAPAROUND FIN. BIFI (CX3R16)

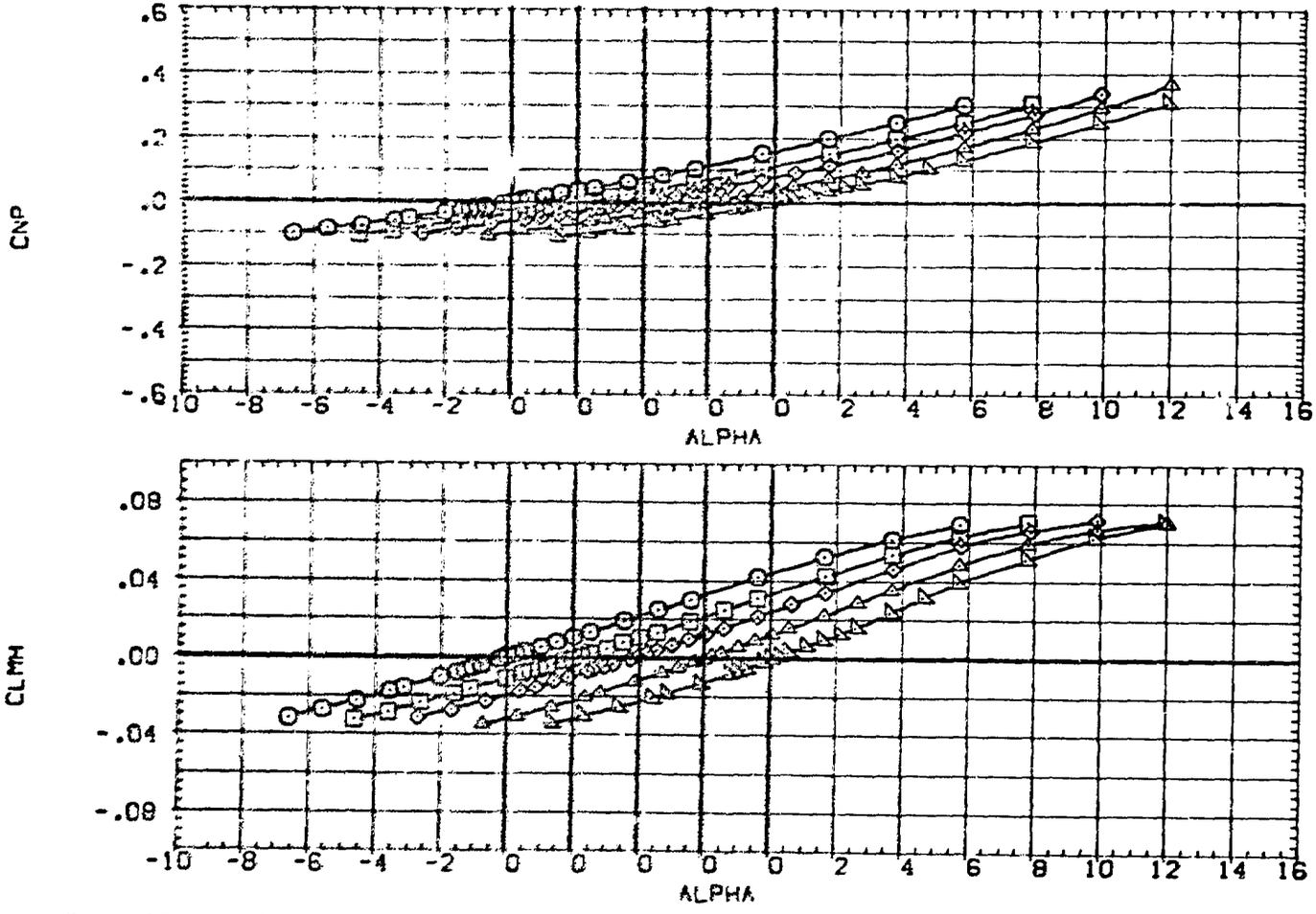
SYMBOL	MACH
○	.503
□	.601
◇	.800
△	.897
▷	.948

PARAMETRIC VALUES

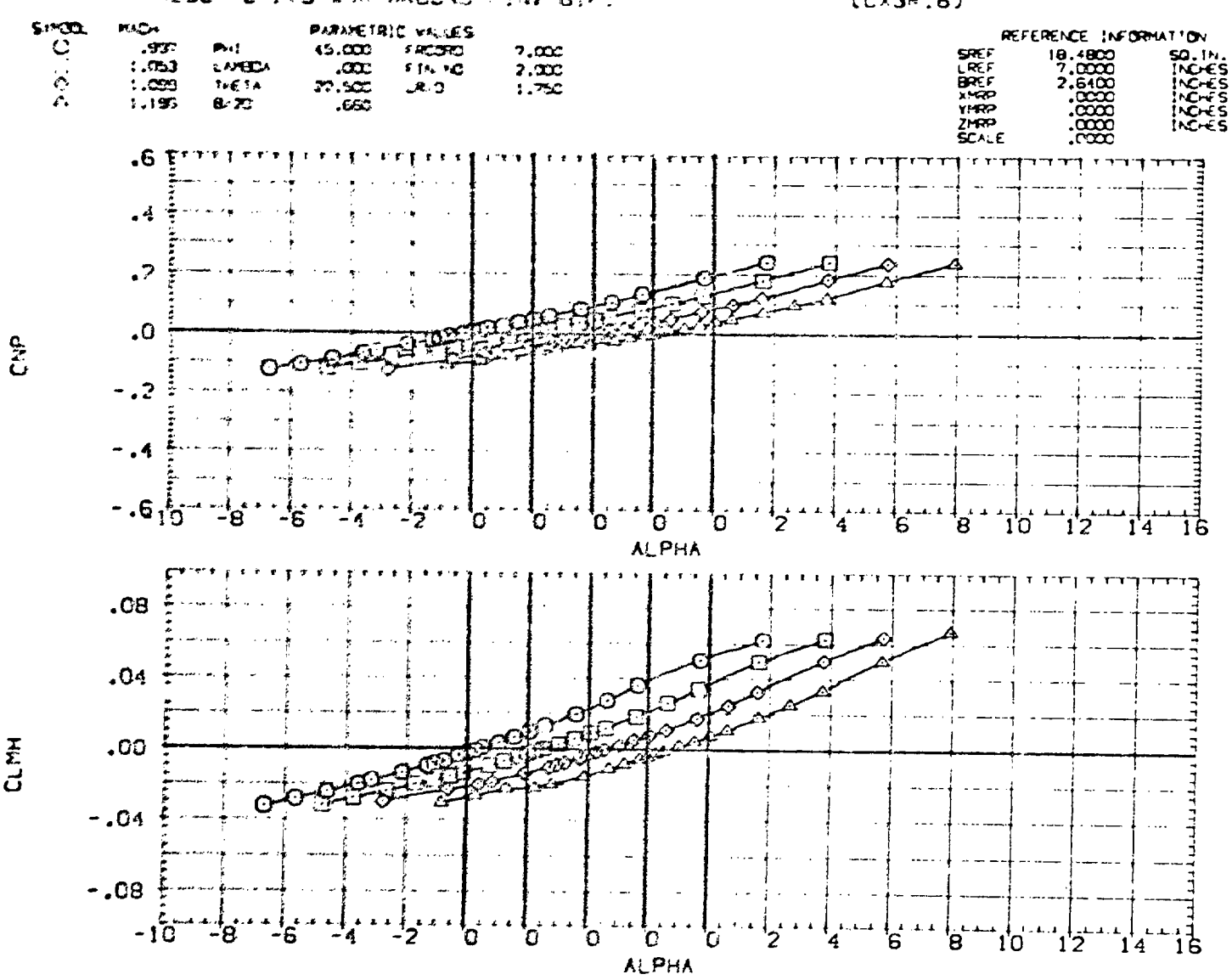
PHI	45.000	FRCORD	7.000
LAMBDA	.000	FINAC	2.000
THETA	22.500	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3U16)

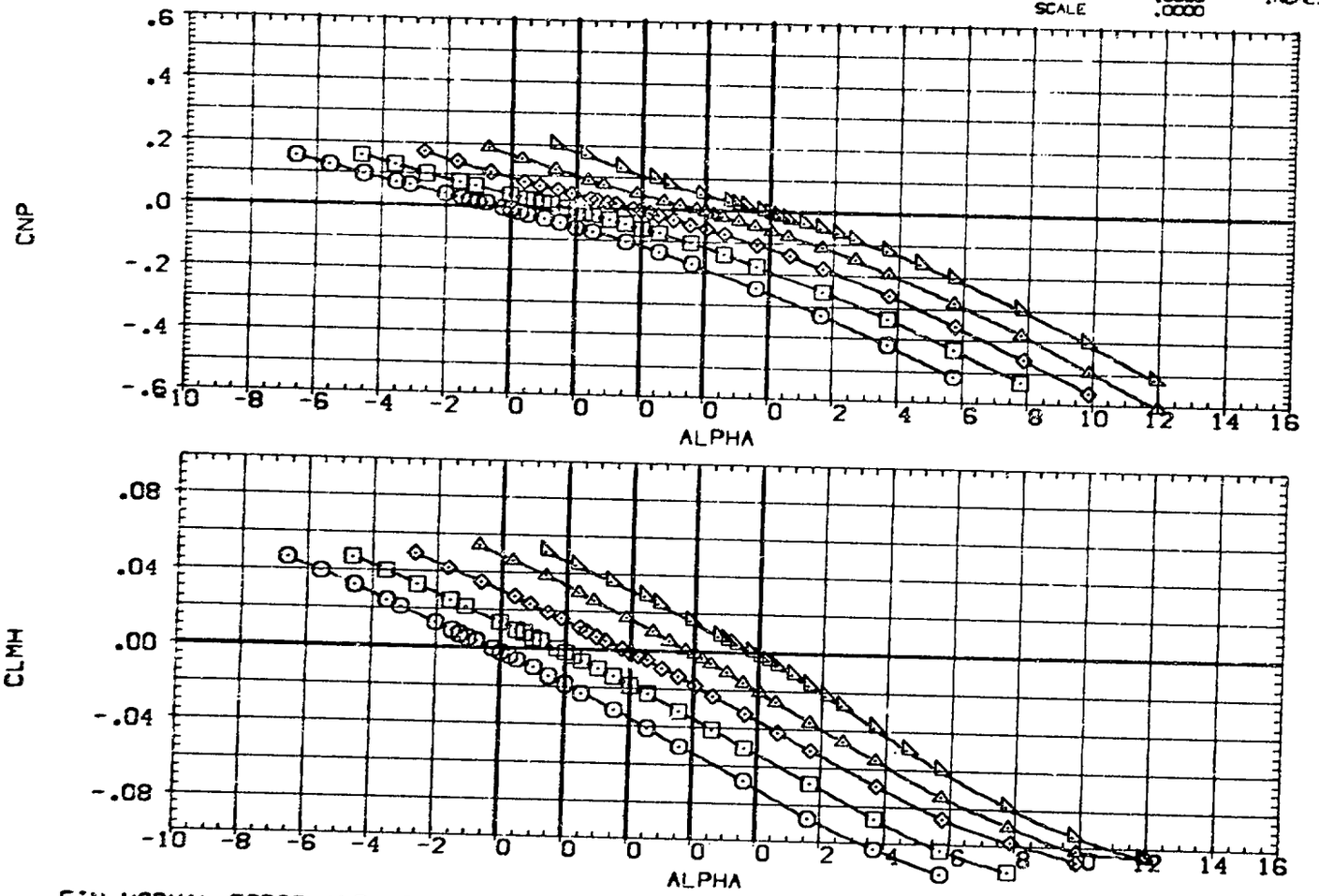
SYMBOL	MACH
○	.503
□	.601
◇	.800
△	.897
▽	.948

PARAMETRIC VALUES

PHI	45.000	FRCORD	7.000
LAMBDA	.000	FIN NO	3.000
THETA	22.500	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



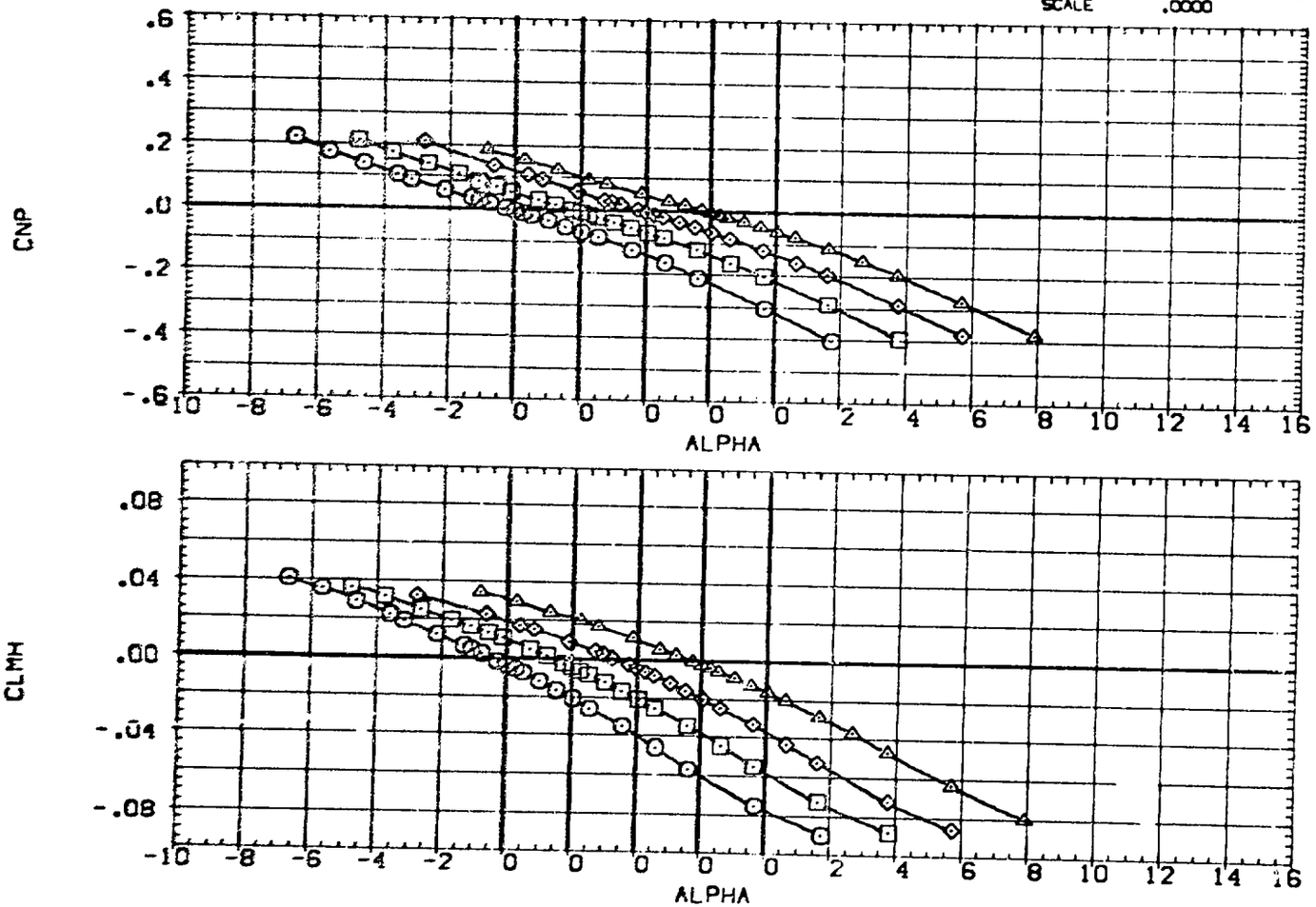
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3U16)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.957	PHI	45.000	FRCRD	7.000
□	1.053	LAMBDA	.000	FIN NO	3.000
◇	1.098	THETA	22.500	CR/D	1.750
△	1.196	B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. BIF1 (WX3L16)

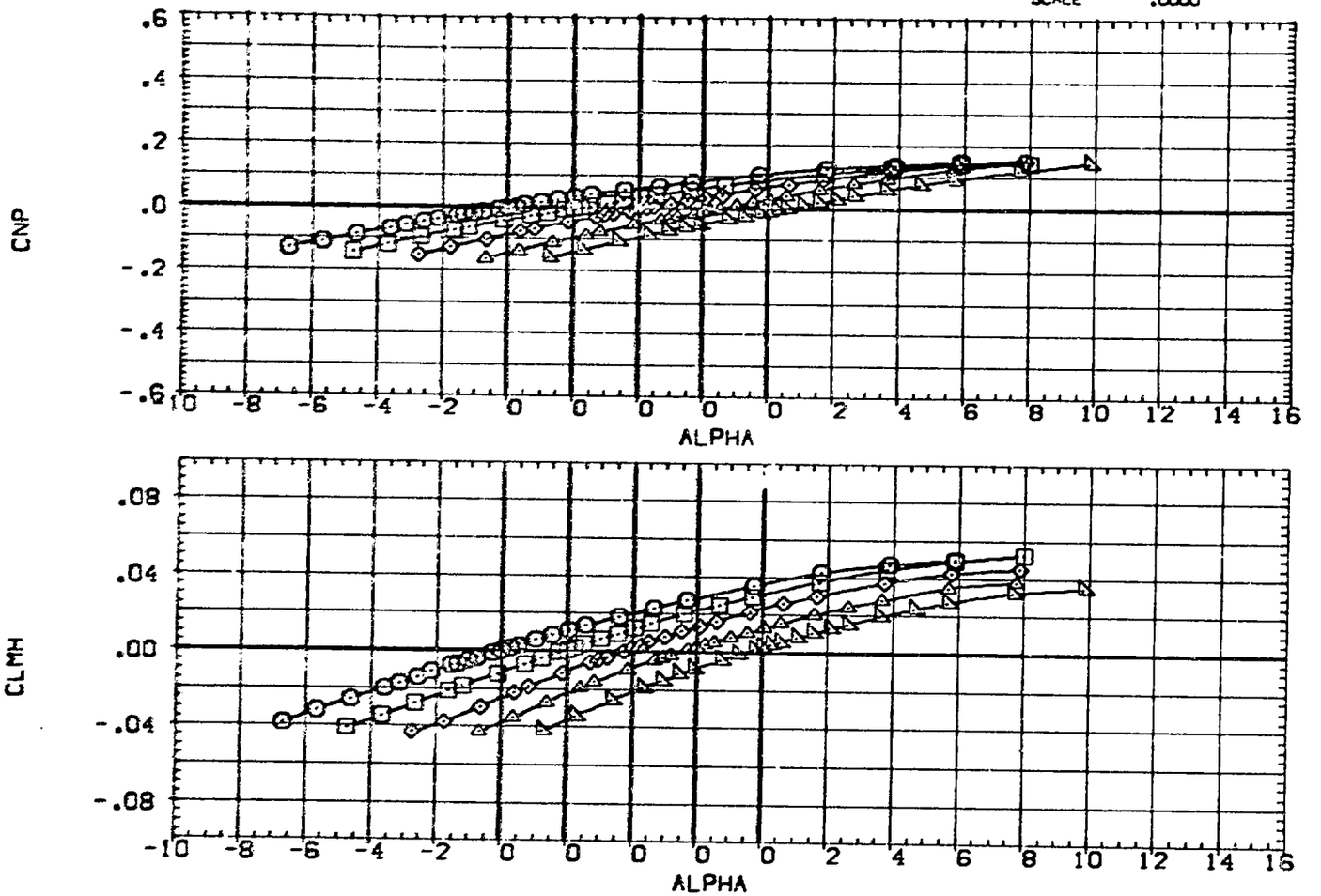
SYMBOL	MACH
○	.800
□	.897
◇	.948
△	.997
▽	1.053

PARAMETRIC VALUES

PHI	45.000	FRCORD	7.000
LAMBDA	.000	FIN NS	4.000
THETA	22.500	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. BIF1 (WX3L16)

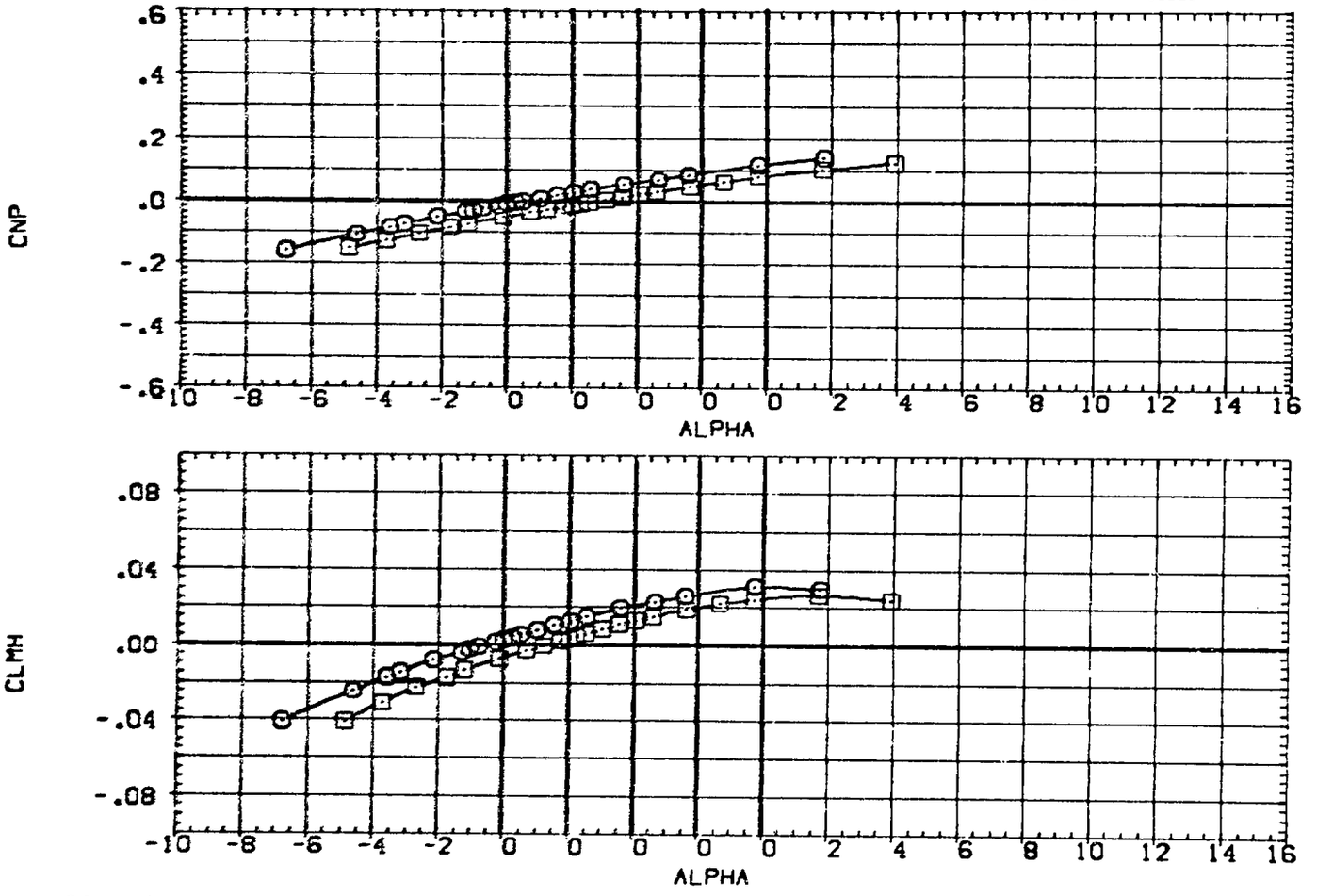
SYMBOL	MACH
○	1.095
□	1.196

PARAMETRIC VALUES

PHI	45.000	FRCORD	7.000
LAMBDA	.000	FIN NO	4.000
THETA	22.500	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.00000	INCHES
BREF	2.64000	INCHES
XMRP	.00000	INCHES
YMRP	.00000	INCHES
ZMRP	.00000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3T17)

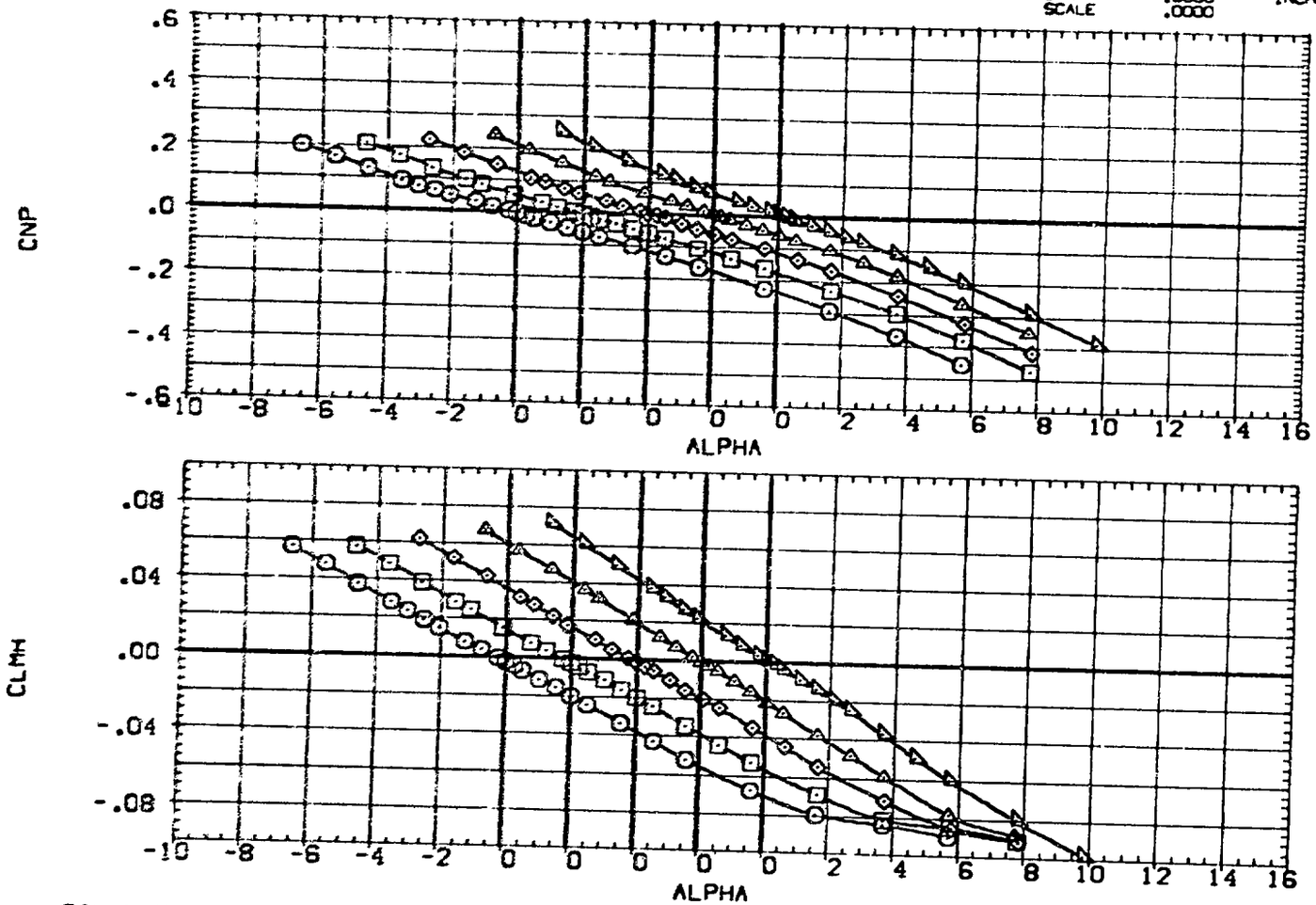
SYMBOL	MACH
○	.503
□	.602
◇	.800
△	.900
▽	.948

PARAMETRIC VALUES

PHI	67.500	FRCBYD	7.000
LAMBDA	.000	FIN NO	1.000
THETA	22.500	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



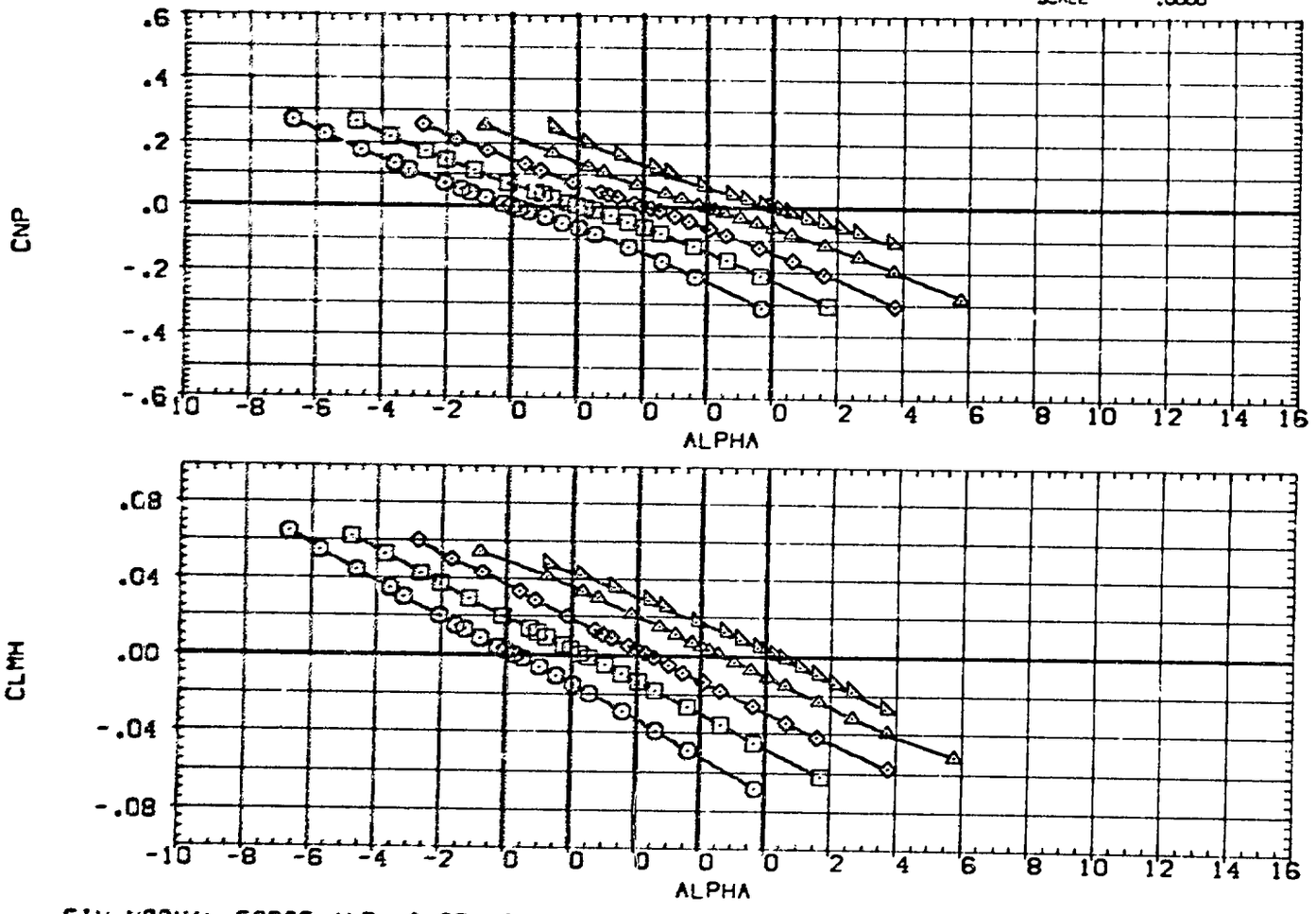
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3T17)

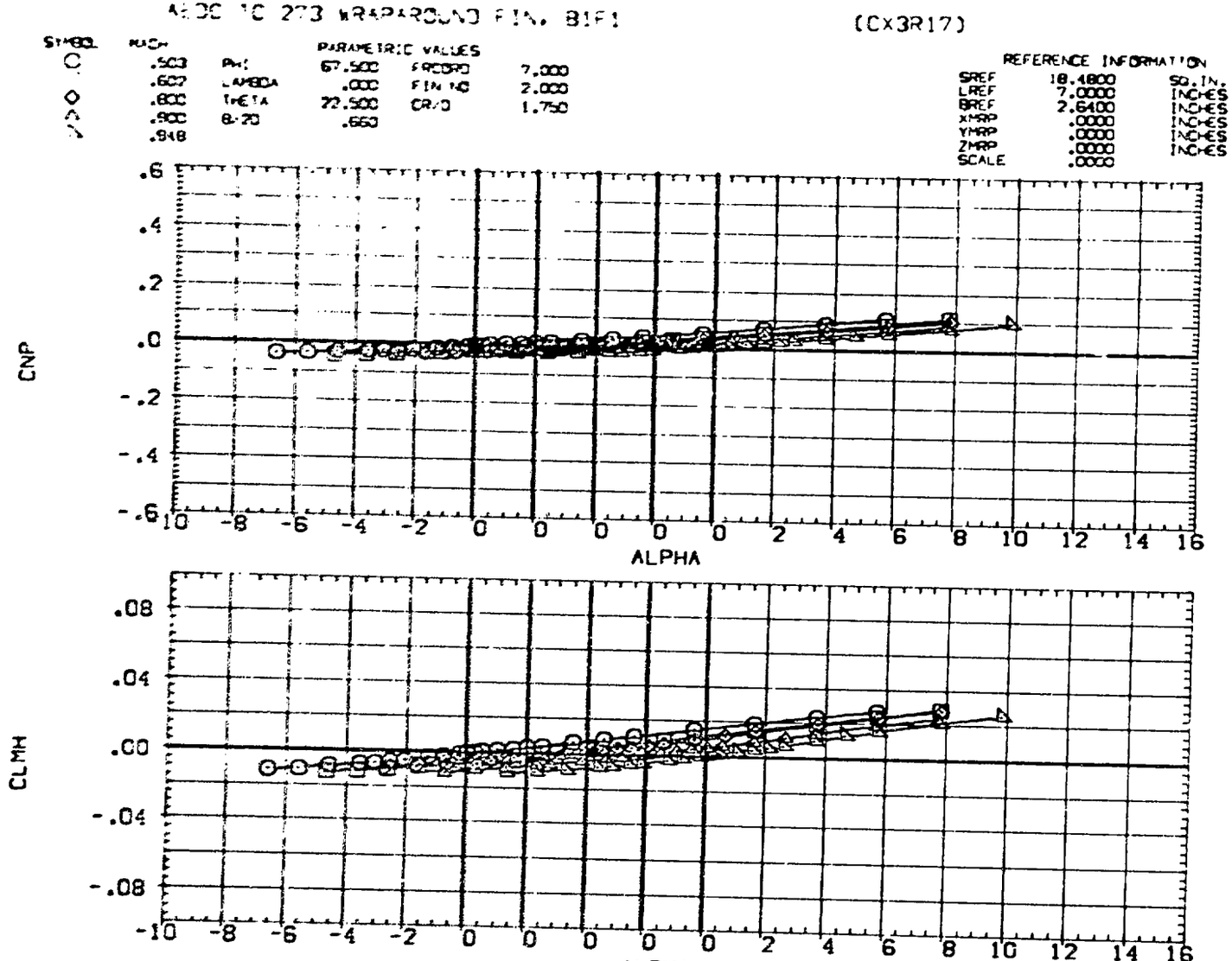
SYMBOL	MACH		PARAMETRIC VALUES		
○	.898	PHI	67.500	FRORD	7.000
□	1.050	LAMBDA	.000	FIN NO	1.000
◇	1.095	THETA	22.500	DR/D	1.750
△	1.202	B/2D	.660		
▷	1.297				

REFERENCE INFORMATION

SREF	16.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



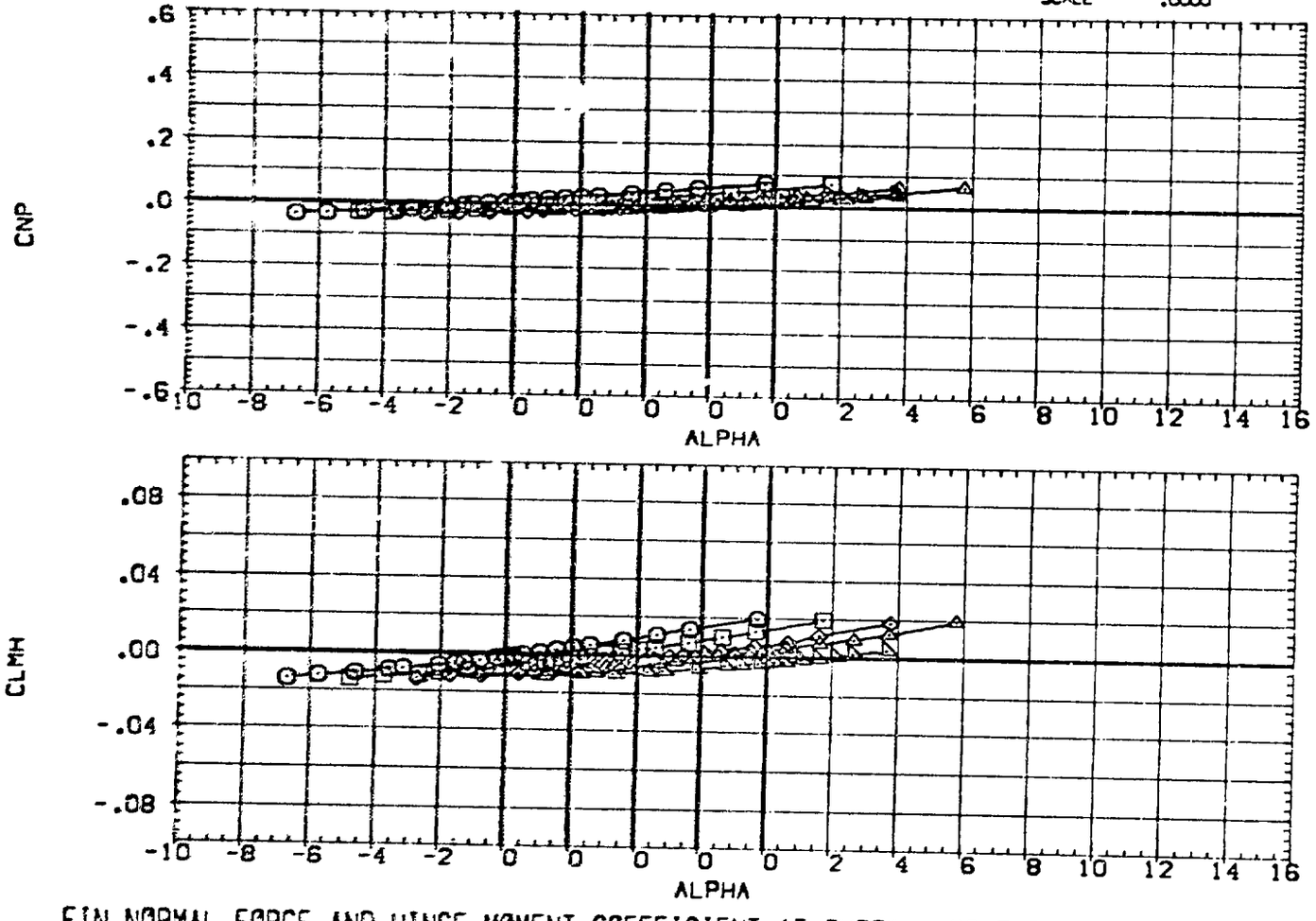
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. BIF1 (CX3R17)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.938	PHI	67.500	FRORD	7.000
□	1.050	LAMBDA	.000	FIN NO	2.000
◇	1.095	THETA	22.500	CR/D	1.750
△	1.202	B/2D	.660		
▽	1.297				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



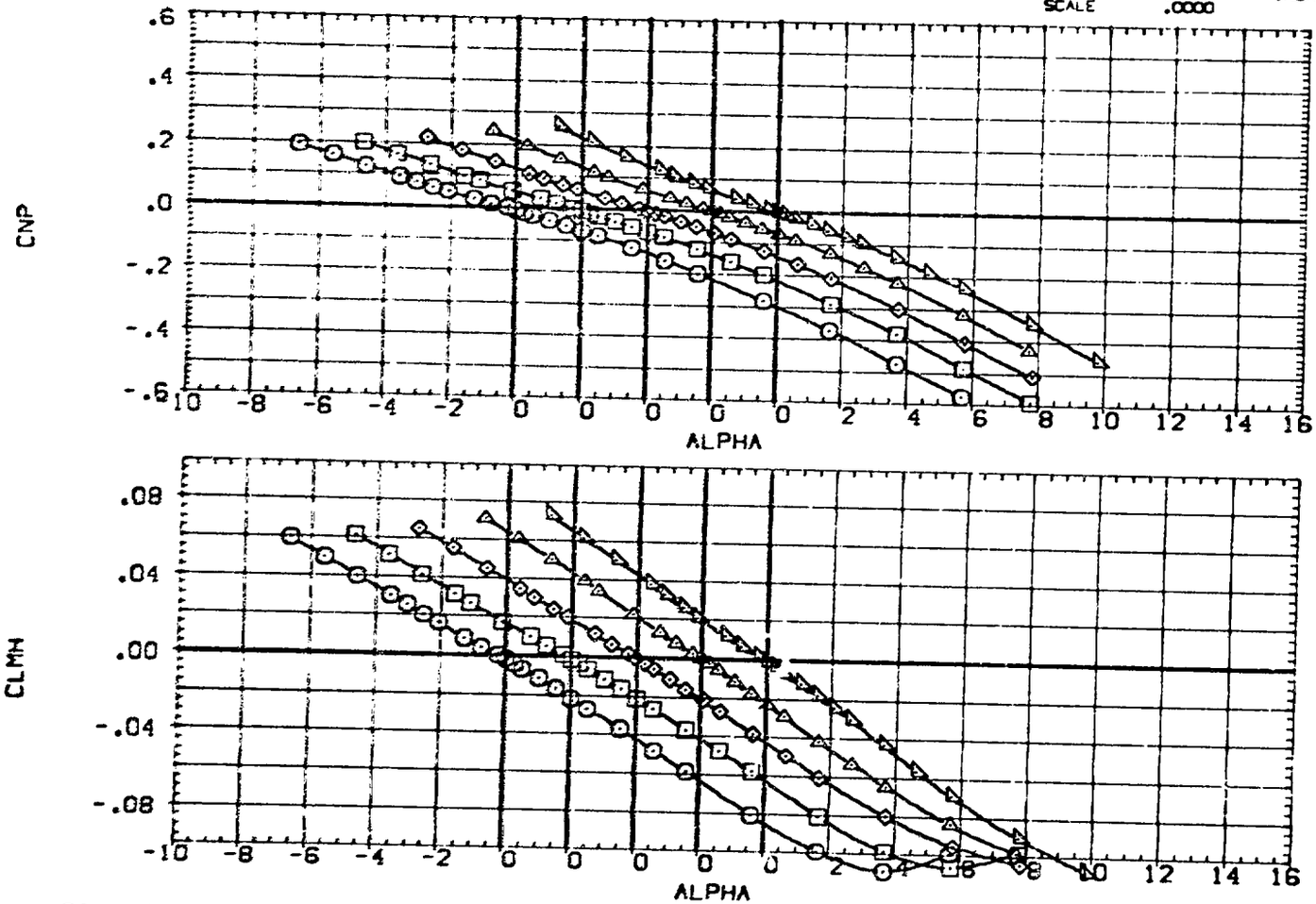
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIP1 (CX3017)

SYMBOL	MACH		PARAMETRIC VALUES		
C	.503	PHI	67.500	FRORD	7.000
◇	.602	LAMBDA	.000	FIN NO	3.000
△	.800	THETA	22.500	CR/D	1.750
	.900	B/2D	.660		
	.948				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.00000	INCHES
BREF	2.64000	INCHES
XMRP	.00000	INCHES
YMRP	.00000	INCHES
ZMRP	.00000	INCHES
SCALE	.0000	



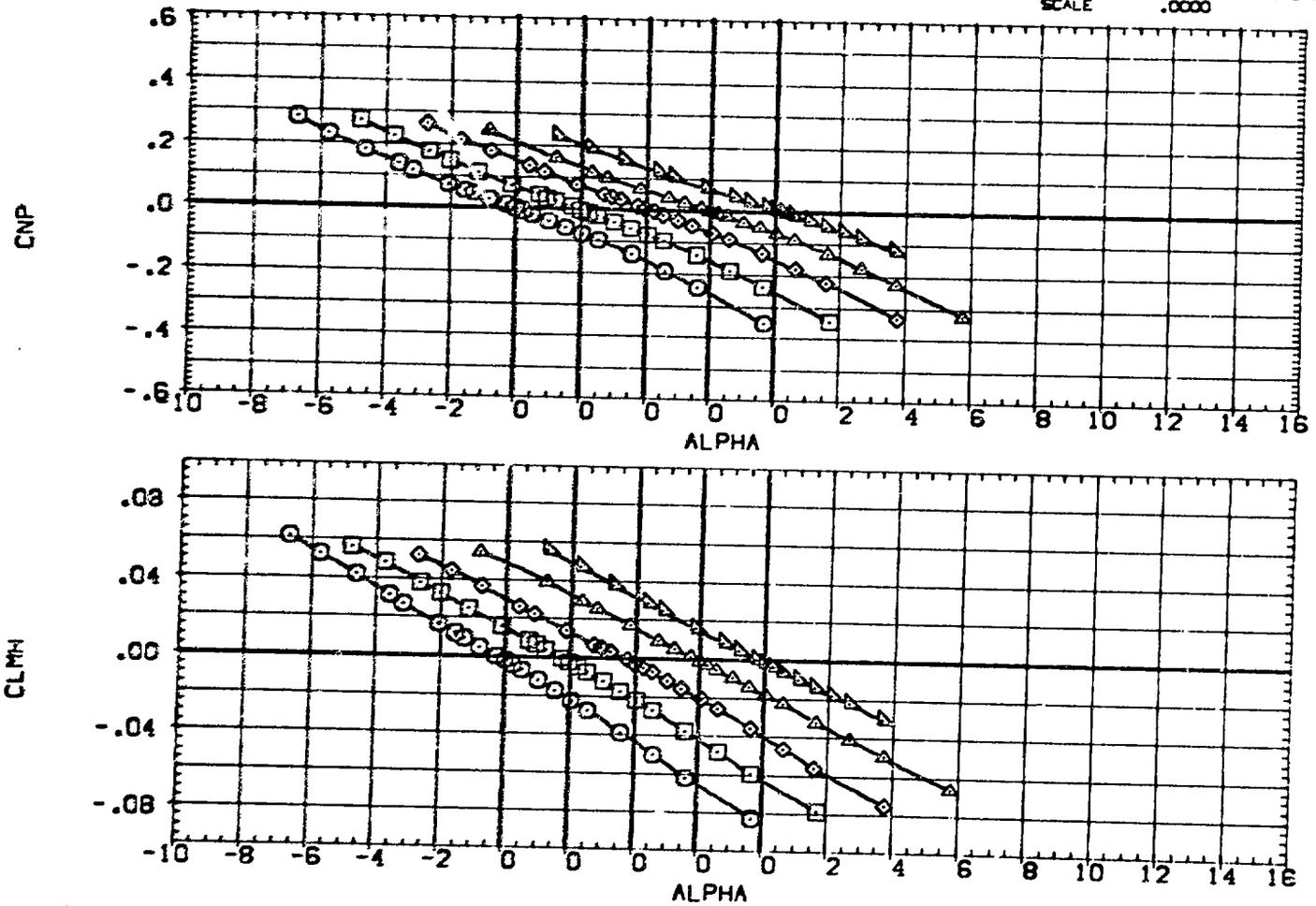
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF: (CX3U17)

SYMBOL	MACH		PARAMETRIC VALUES		
◇	.958	PHI	67.500	FRCORD	7.000
□	1.050	LAMBDA	.000	FIN NO	3.000
△	1.095	THETA	22.500	CR/D	1.750
◇	1.202	B/2D	.660		
	1.287				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF1 (WX3L17)

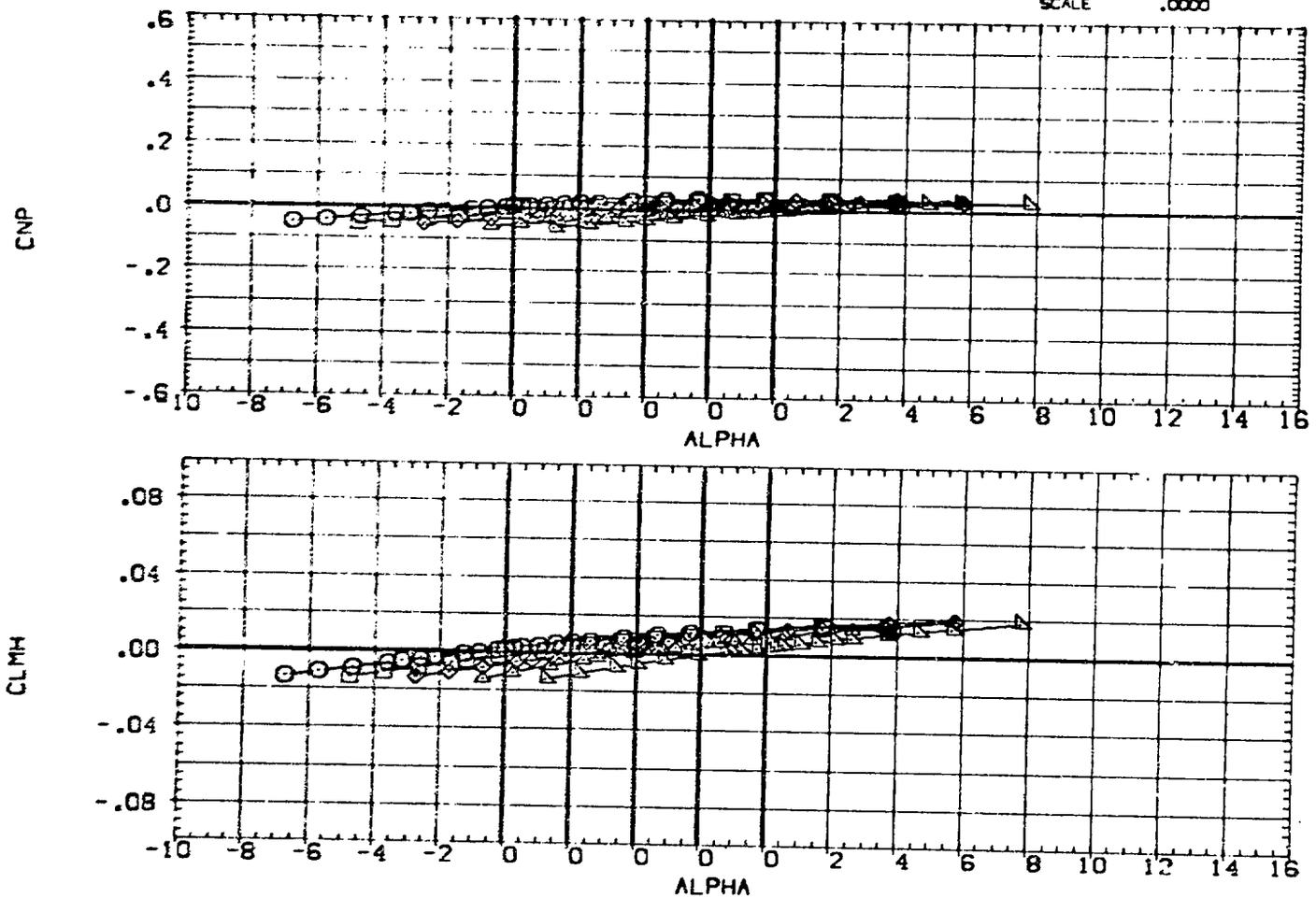
SYMBOL	MACH
○	.800
	.900
◇	.918
	.938
	1.050

PARAMETRIC VALUES

PHI	67.500	FRCORD	7.000
LAMBDA	.000	FIN NO	4.000
THETA	22.500	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4600	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



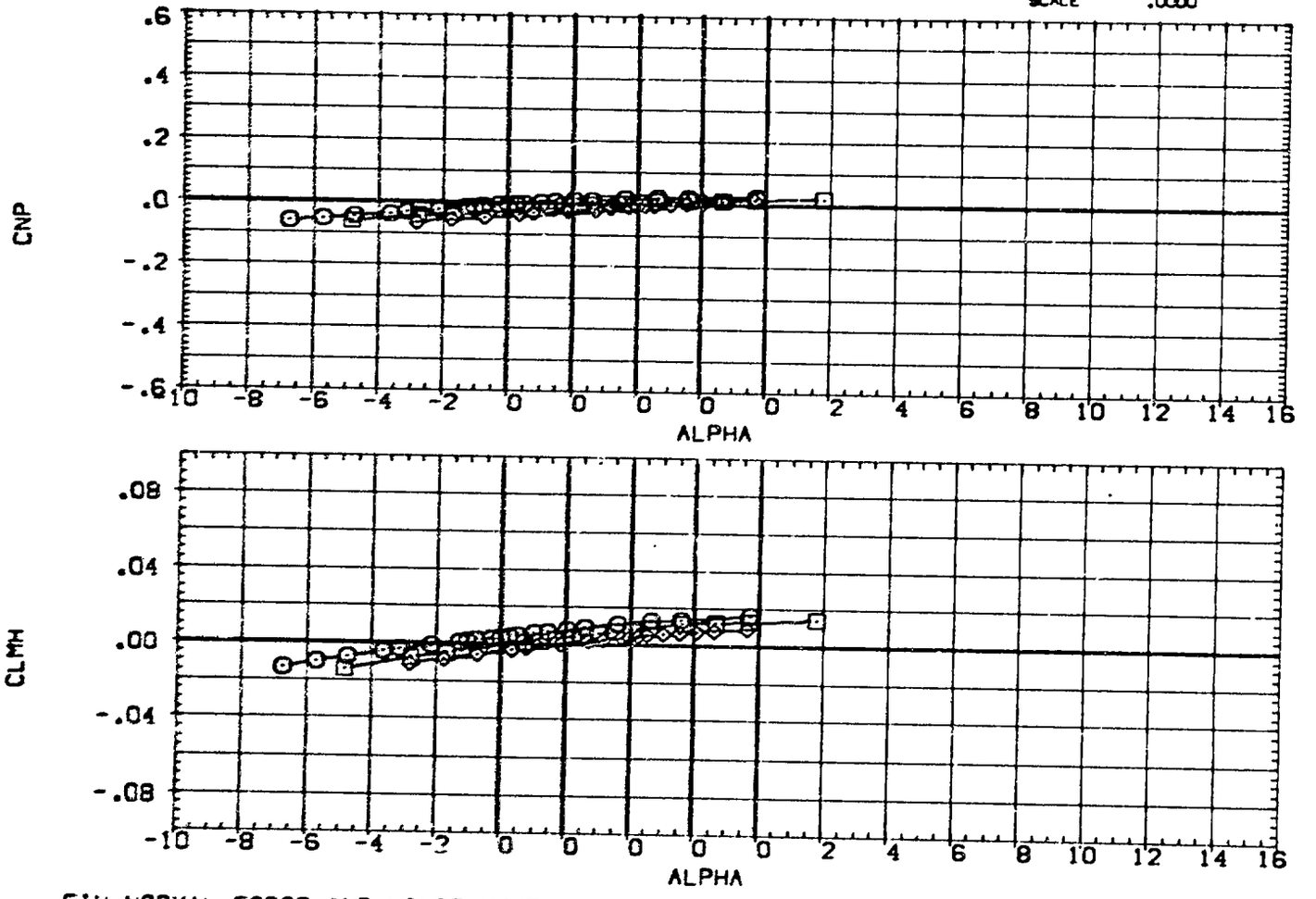
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES

AEDC TC 273 WRAPAROUND FIN. BIF: (WX3L17)

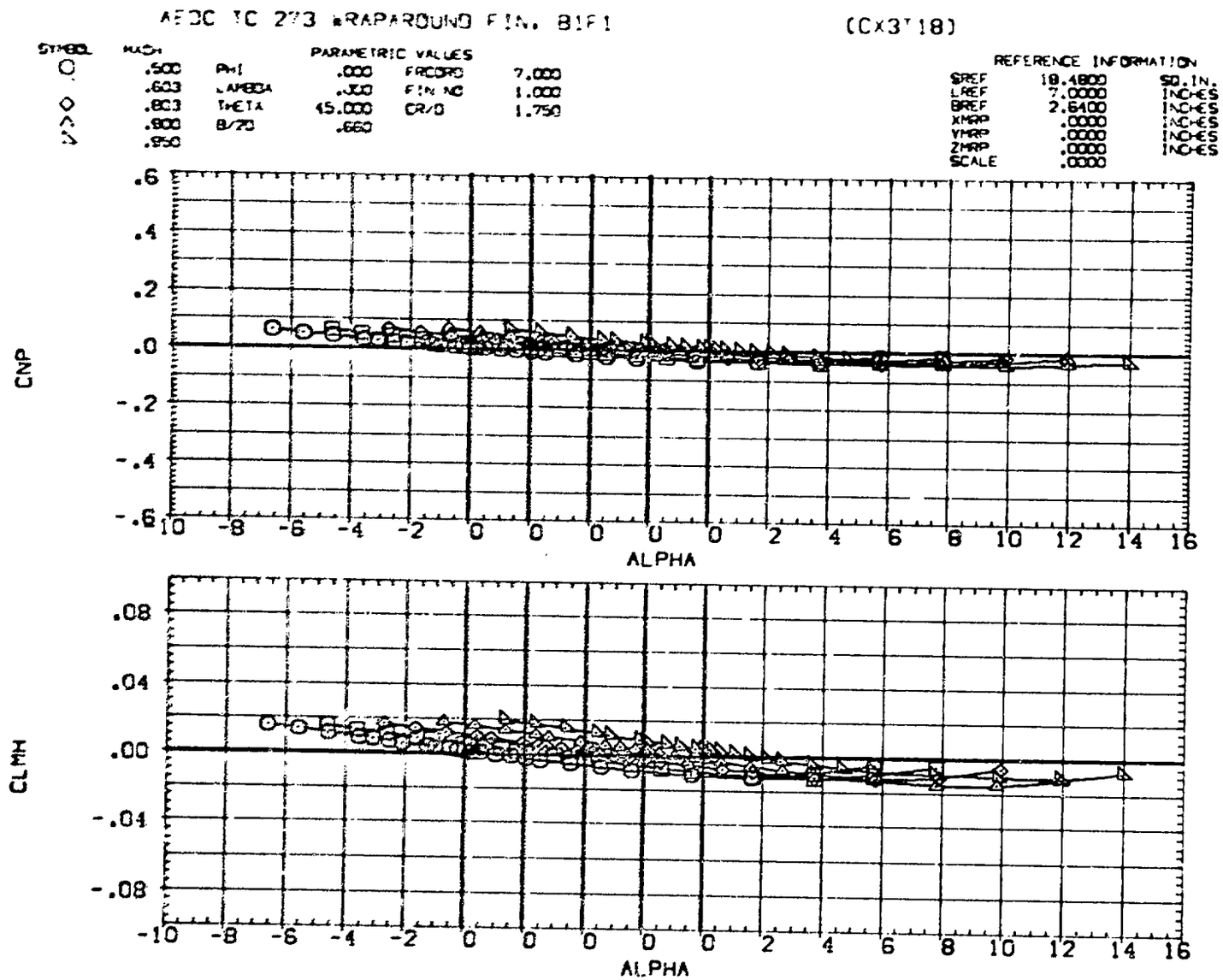
SYMBOL	MACH		PARAMETRIC VALUES		
○	1.095	PHI	67.500	FRORD	7.000
◇	1.202	LAMBDA	.000	FIN NO	4.000
	1.297	THETA	22.500	OR/D	1.750
		R/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 22.5 DEGREES



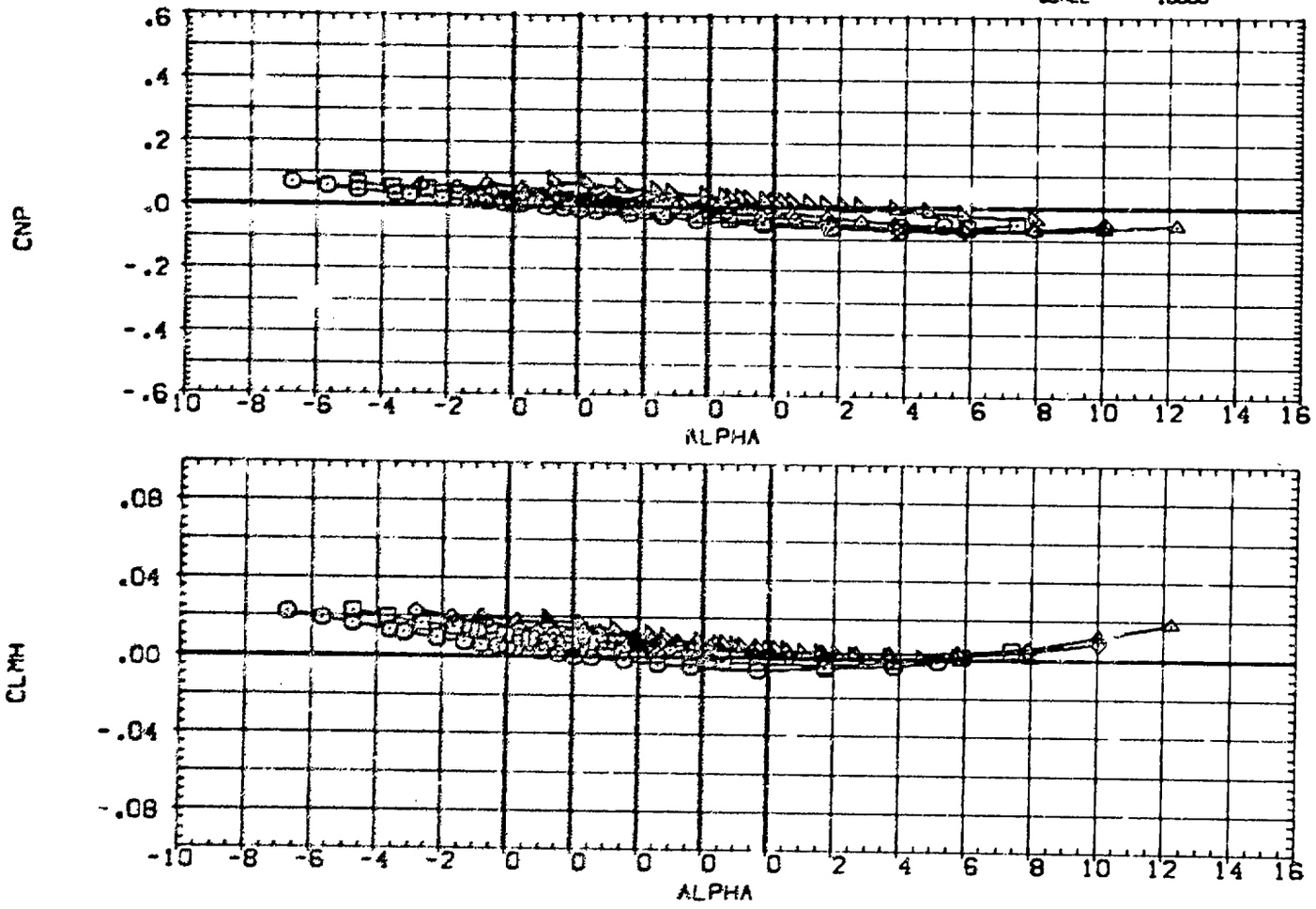
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3T18)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.927	PHI	.000	FRCORD	7.000
□	1.048	LAMBDA	.000	FIN NO	1.000
◇	1.101	THETA	45.000	CR/D	1.750
△	1.196	B/2D	.660		
▽	1.295				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3R18)

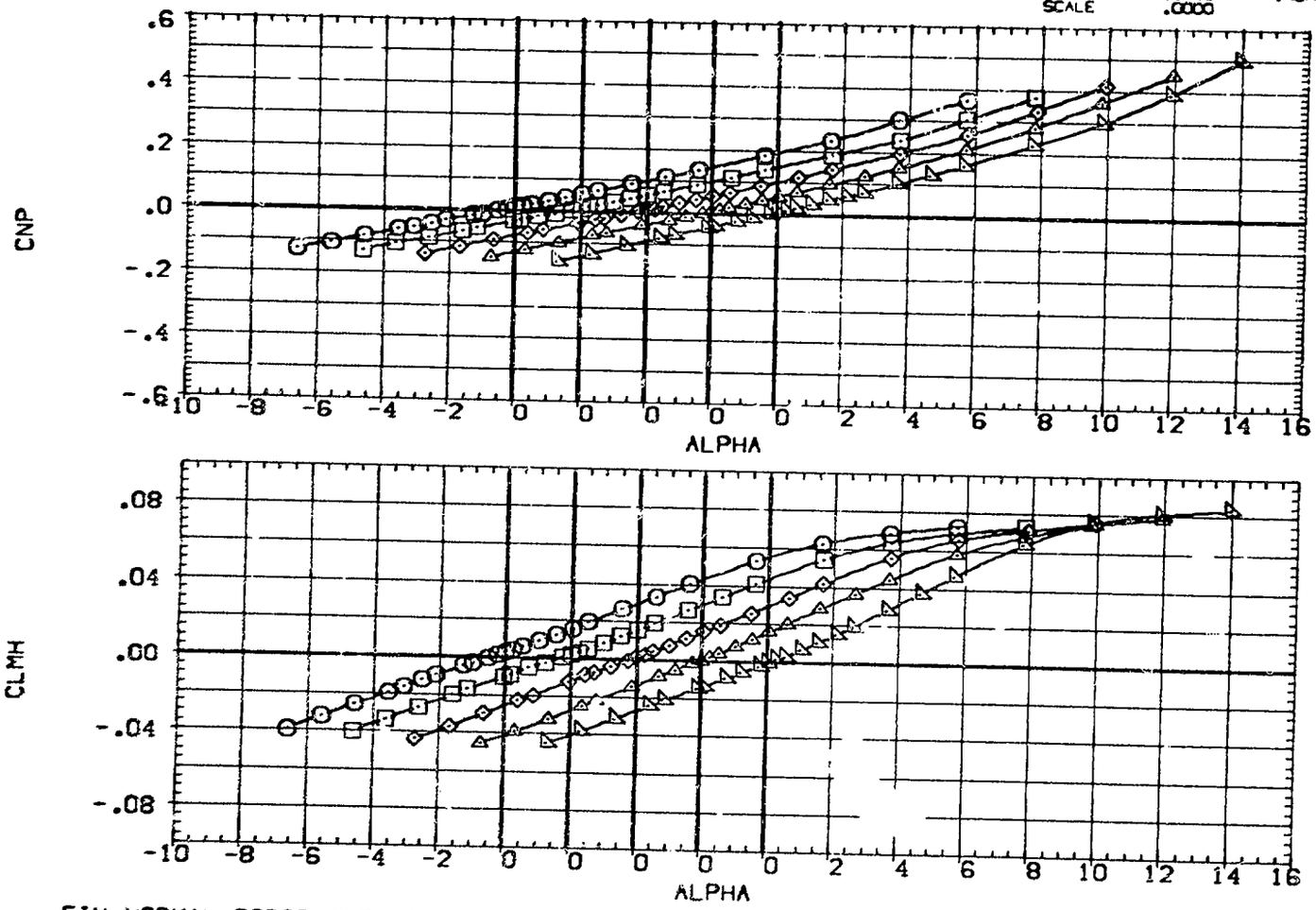
SYMBOL	MACH
○	.500
□	.603
◇	.803
△	.900
◁	.950

PARAMETRIC VALUES

PHI	.000	FRCORD	7.000
LAMBDA	.000	FIN NO	2.000
THETA	45.000	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



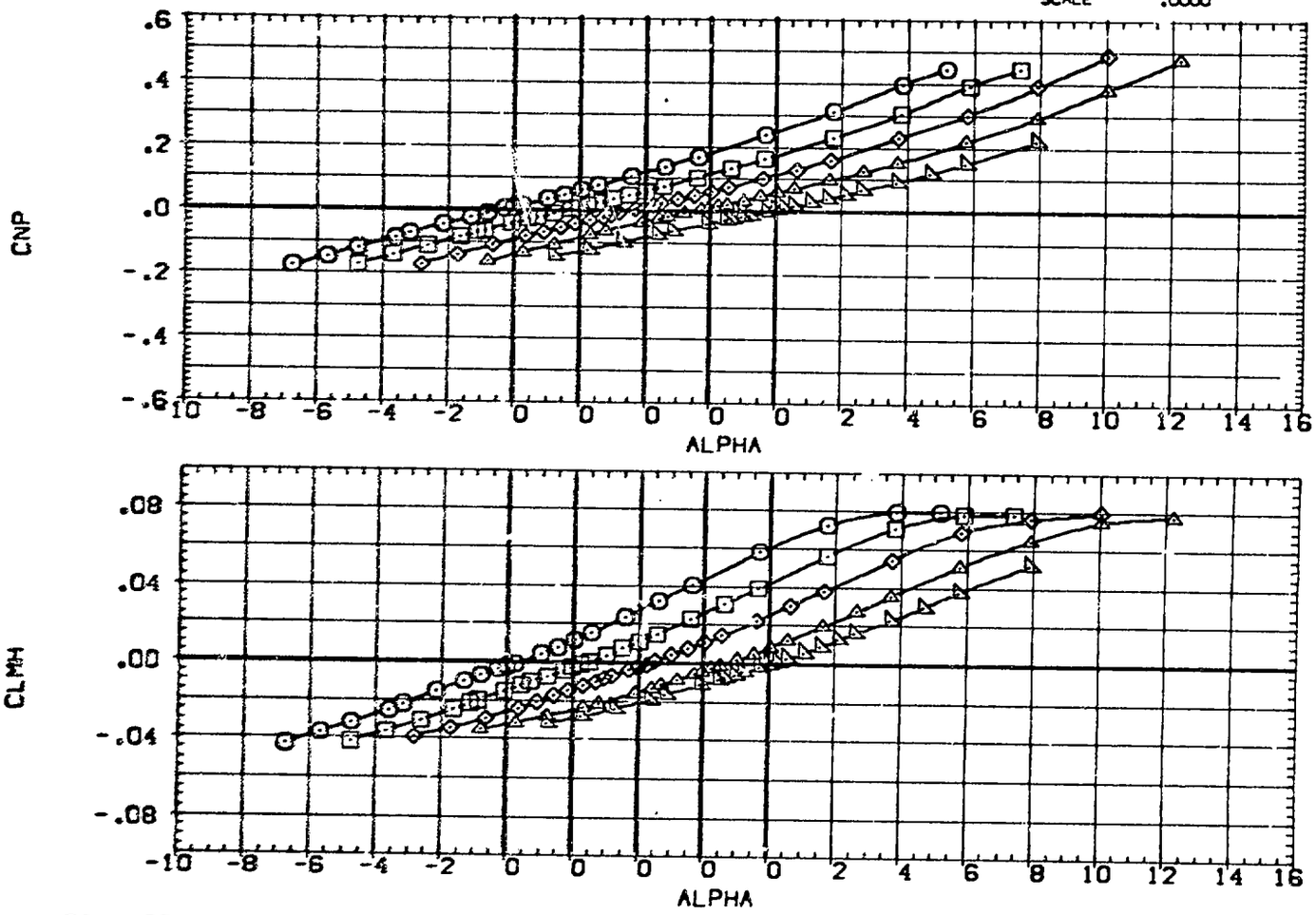
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3R18)

SYMBOL	MACH		PARAMETRIC VALUES		
□	.897	PHI	.000	FIRORD	7.000
◇	1.048	LAMBDA	.000	FIN NO	2.000
△	1.101	THETA	45.000	CR/O	1.750
◁	1.196	B/2O	.650		
	1.298				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



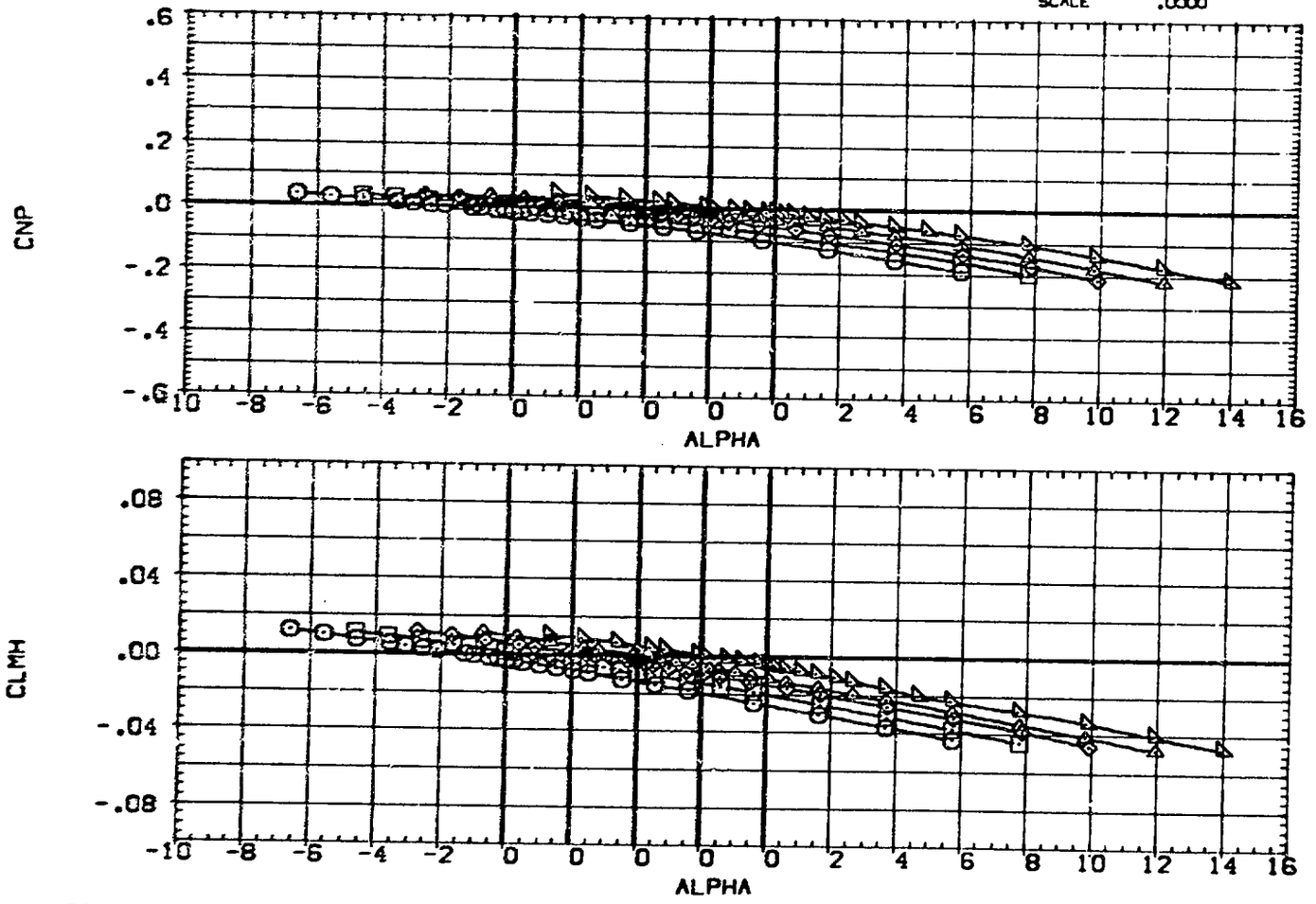
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3U18)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.500	PHI	.000	FRCORD	7.000
□	.603	LAMBDA	.000	FIN NO	3.000
△	.803	THETA	45.000	CR/D	1.750
◇	.900	B/2D	.660		
▽	.950				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



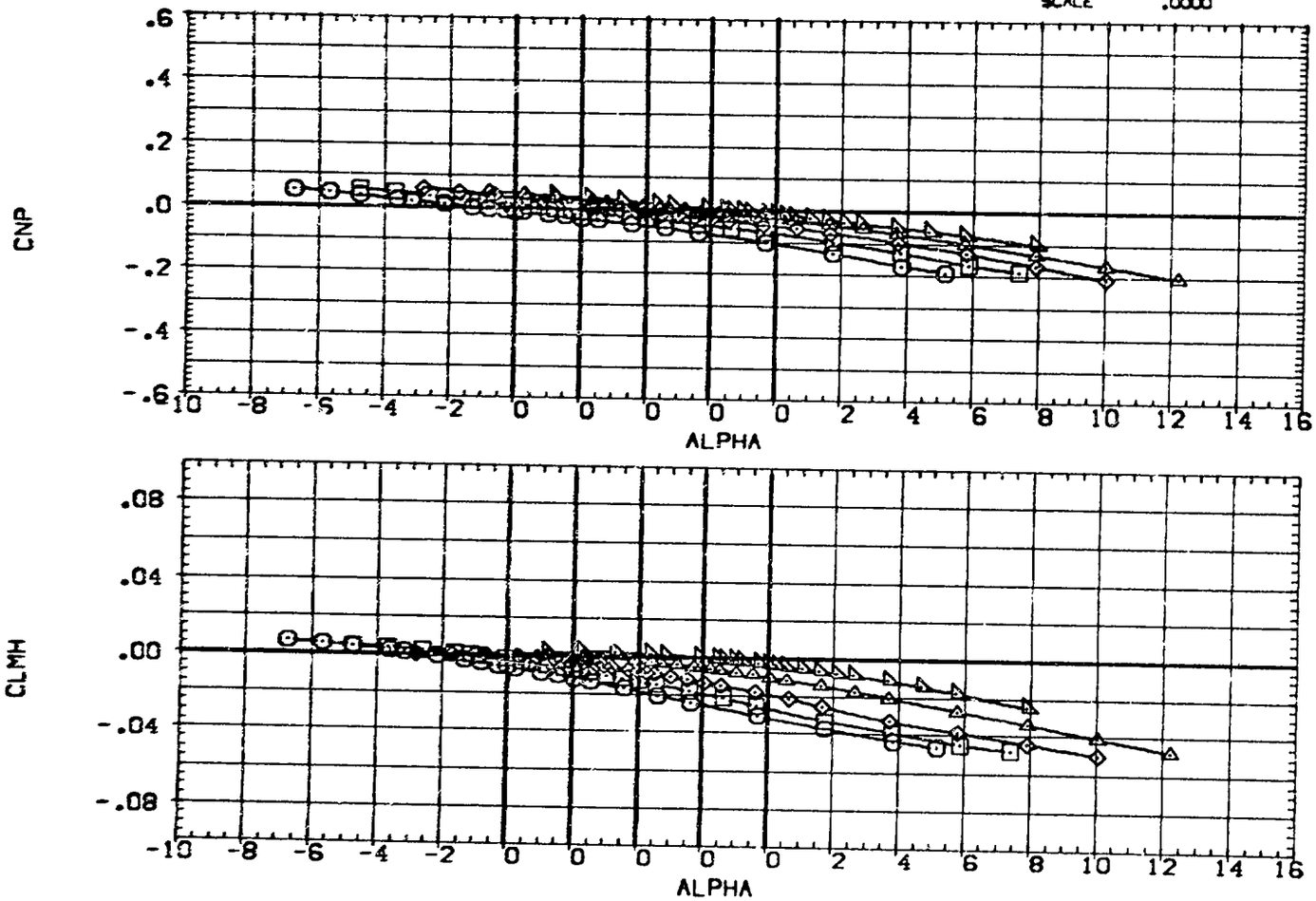
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. BIF1 (CX3U18)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.997	PHI	.000	FRCORD	7.000
□	1.048	LAMBDA	.000	FIN NO	3.000
◇	1.101	THETA	45.000	CR/D	1.750
△	1.196	B/2D	.660		
▷	1.299				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



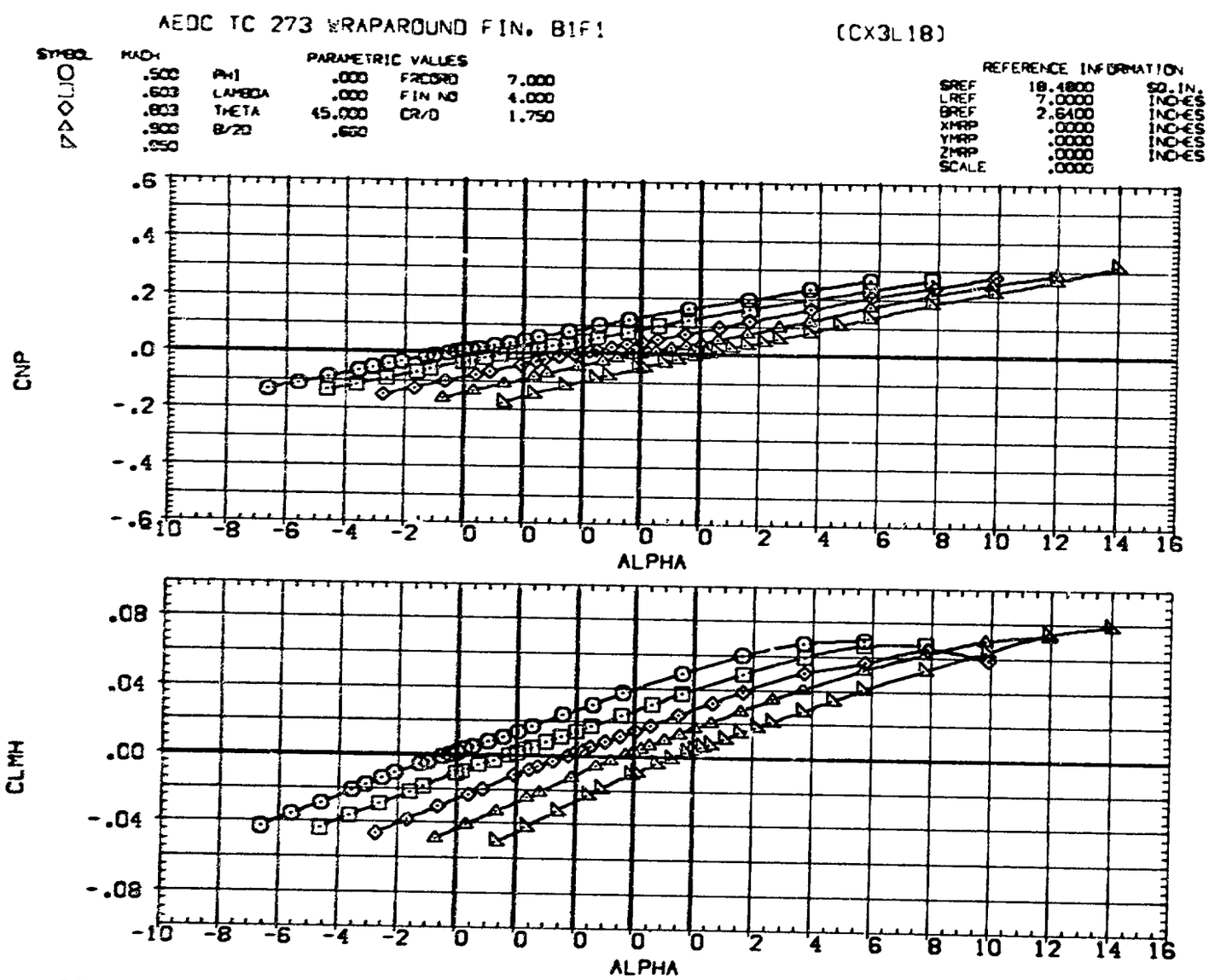
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3L18)

SYMBOL	MACH		PARAMETRIC VALUES		
▽	.500	PHI	.000	FRCORD	7.000
◇	.603	LAMBDA	.000	FIN NO	4.000
□	.803	THETA	45.000	CR/D	1.750
○	.900	B/2D	.600		
△	.950				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



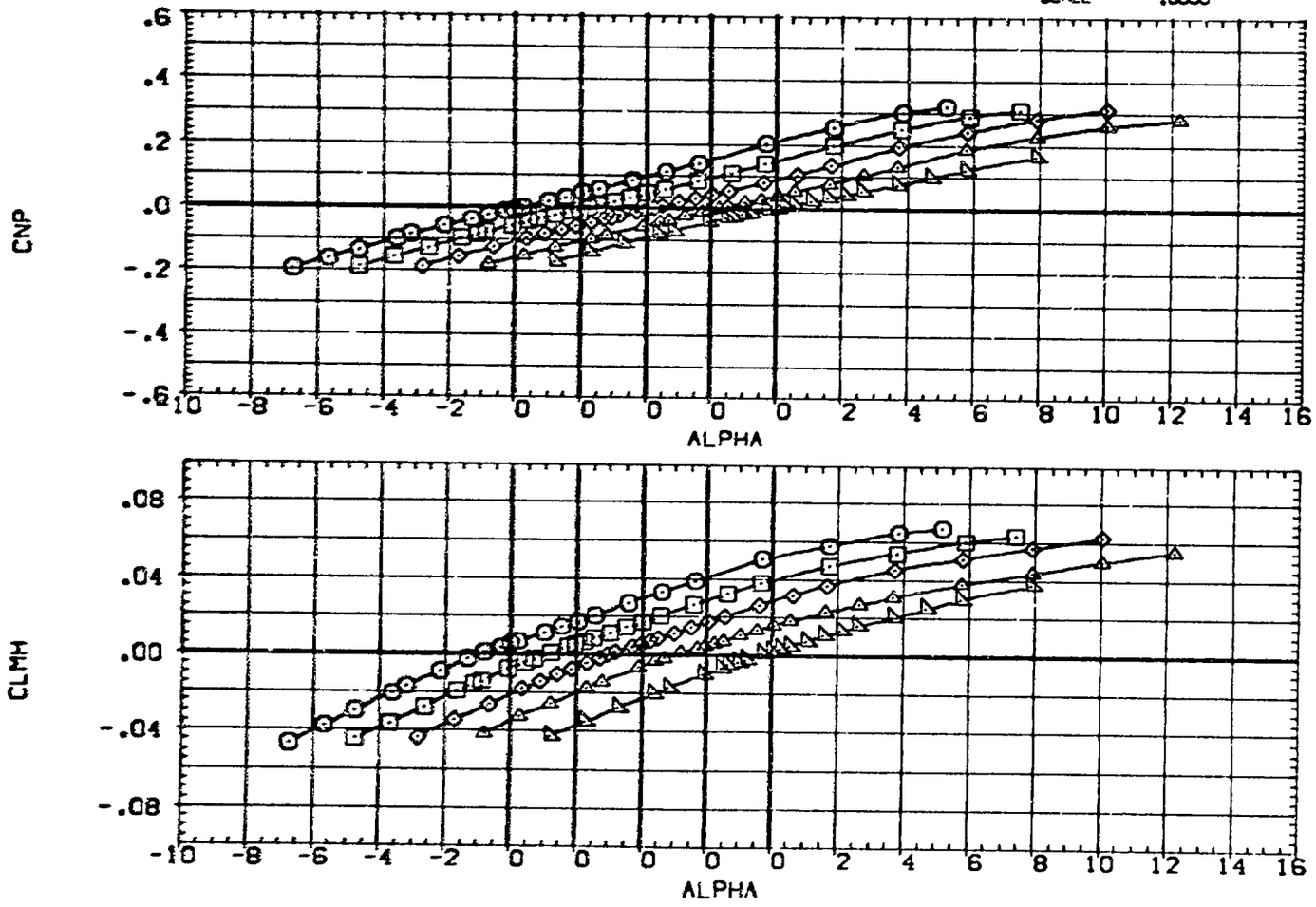
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3L18)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.857	PHI	.000	FRORD	7.000
□	1.048	LAMBDA	.000	FIN NO	4.000
◇	1.101	THETA	45.000	CR/S	1.750
△	1.196	B/2D	.660		
▷	1.295				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3T19)

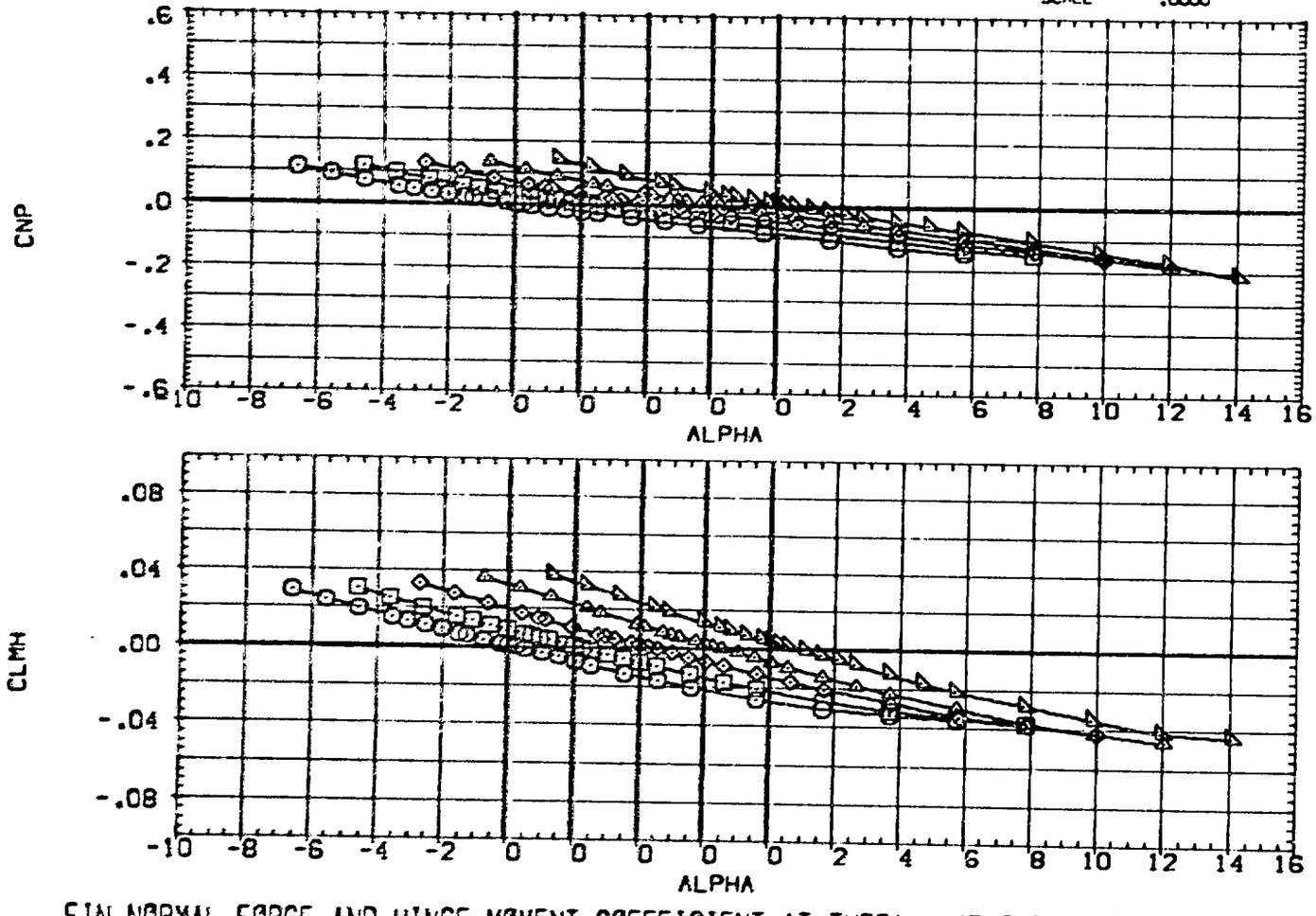
SYMBOL	MACH
○	.503
△	.602
◇	.801
□	.901
▽	.945

PARAMETRIC VALUES

PHI	22.500	FRCORD	7.000
LAMBDA	.000	FIN NO	1.000
THETA	45.000	CR/D	1.750
B/2D	.660		

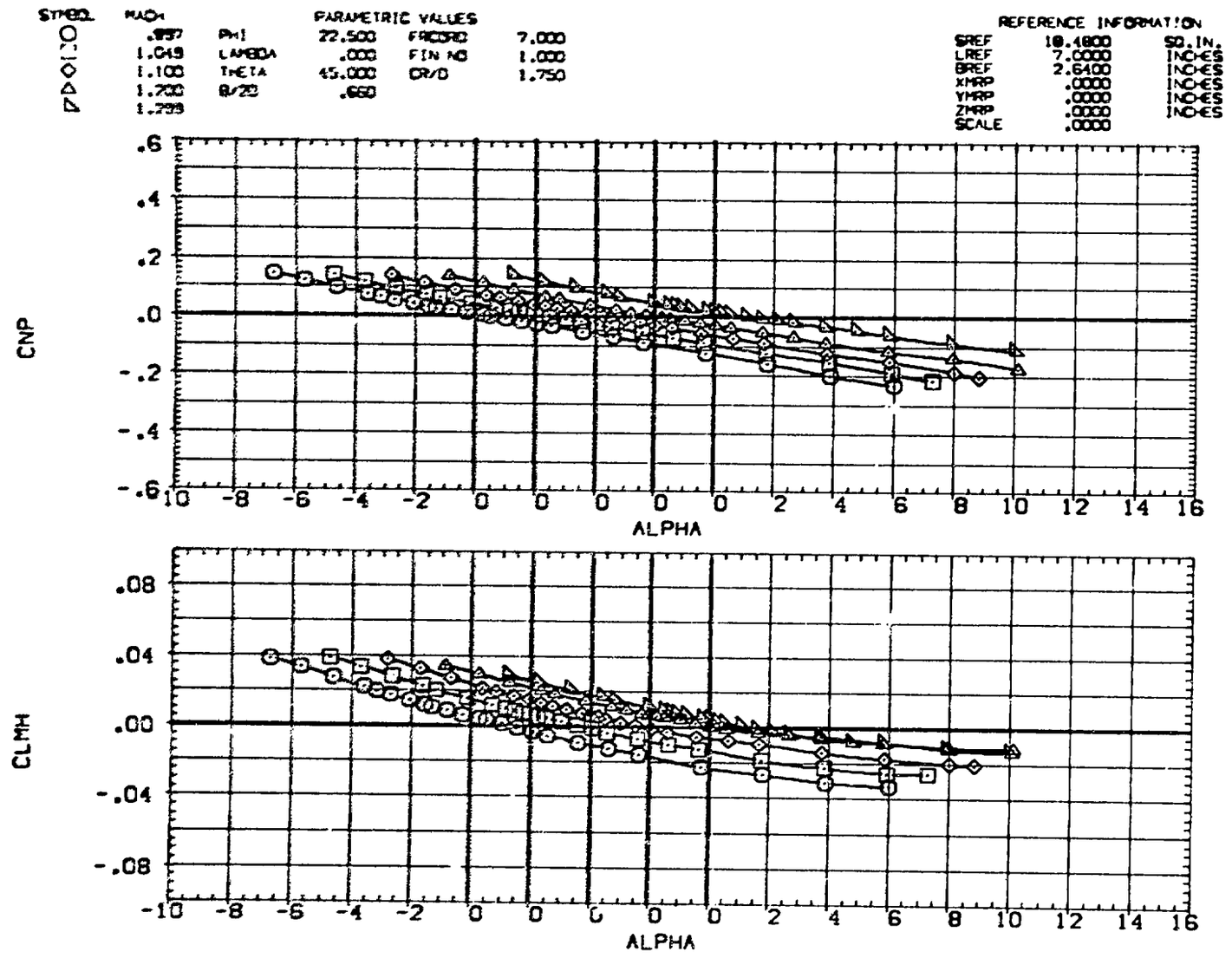
REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3T19)



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

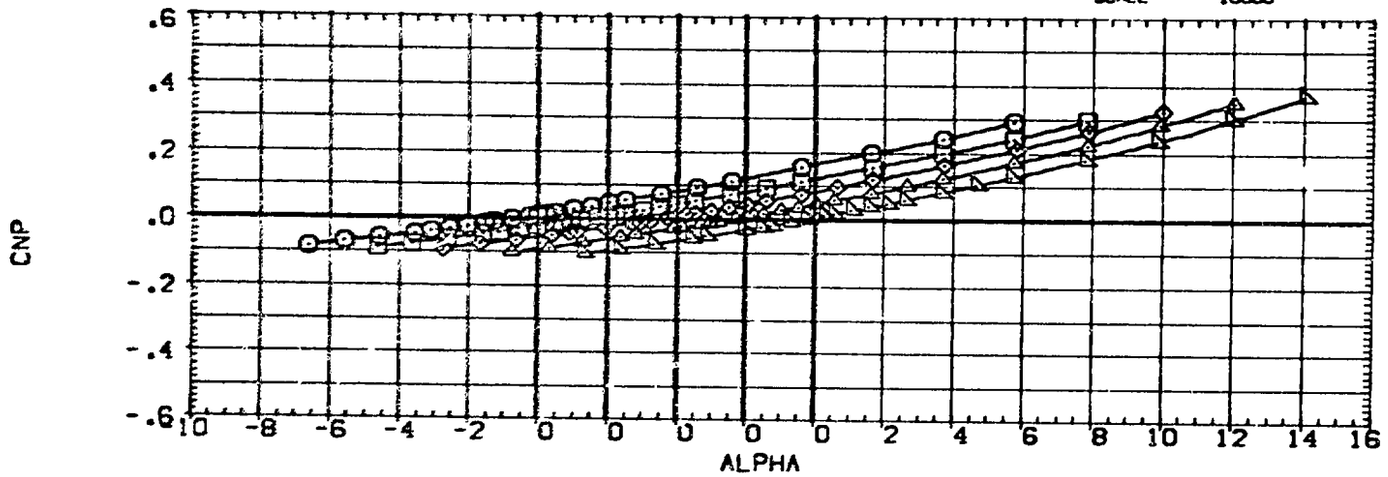
AEDC TC 273 WRAPAROUND FIN, BIF!

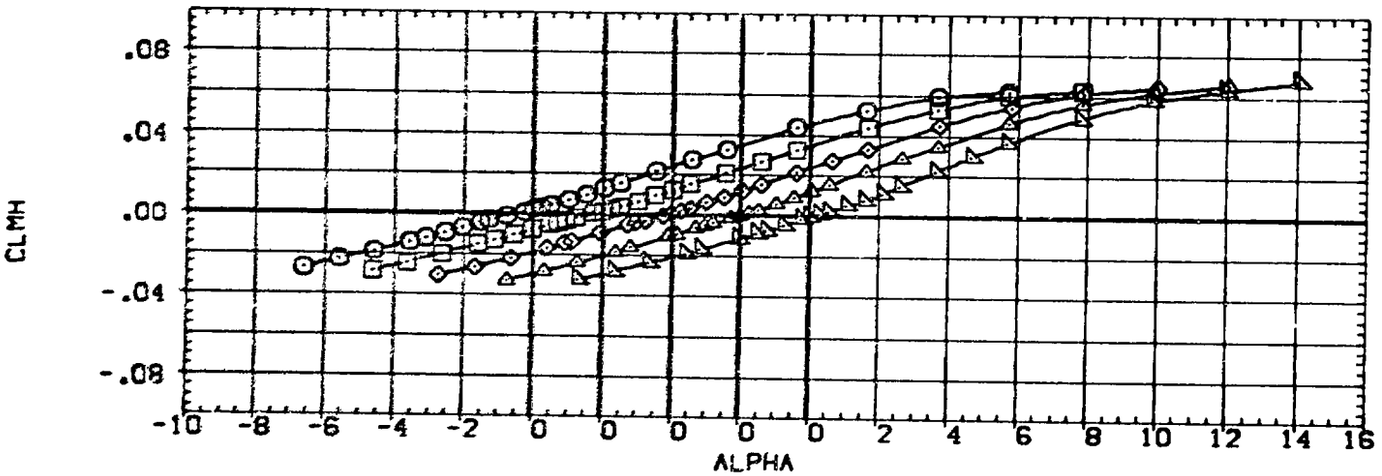
(CX3R19)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	FRCORD	7.000
◇	.602	LAMBDA	.000	FIN NO	2.000
△	.801	THETA	45.000	CR/D	1.750
▽	.901	B/2D	.660		
□	.946				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





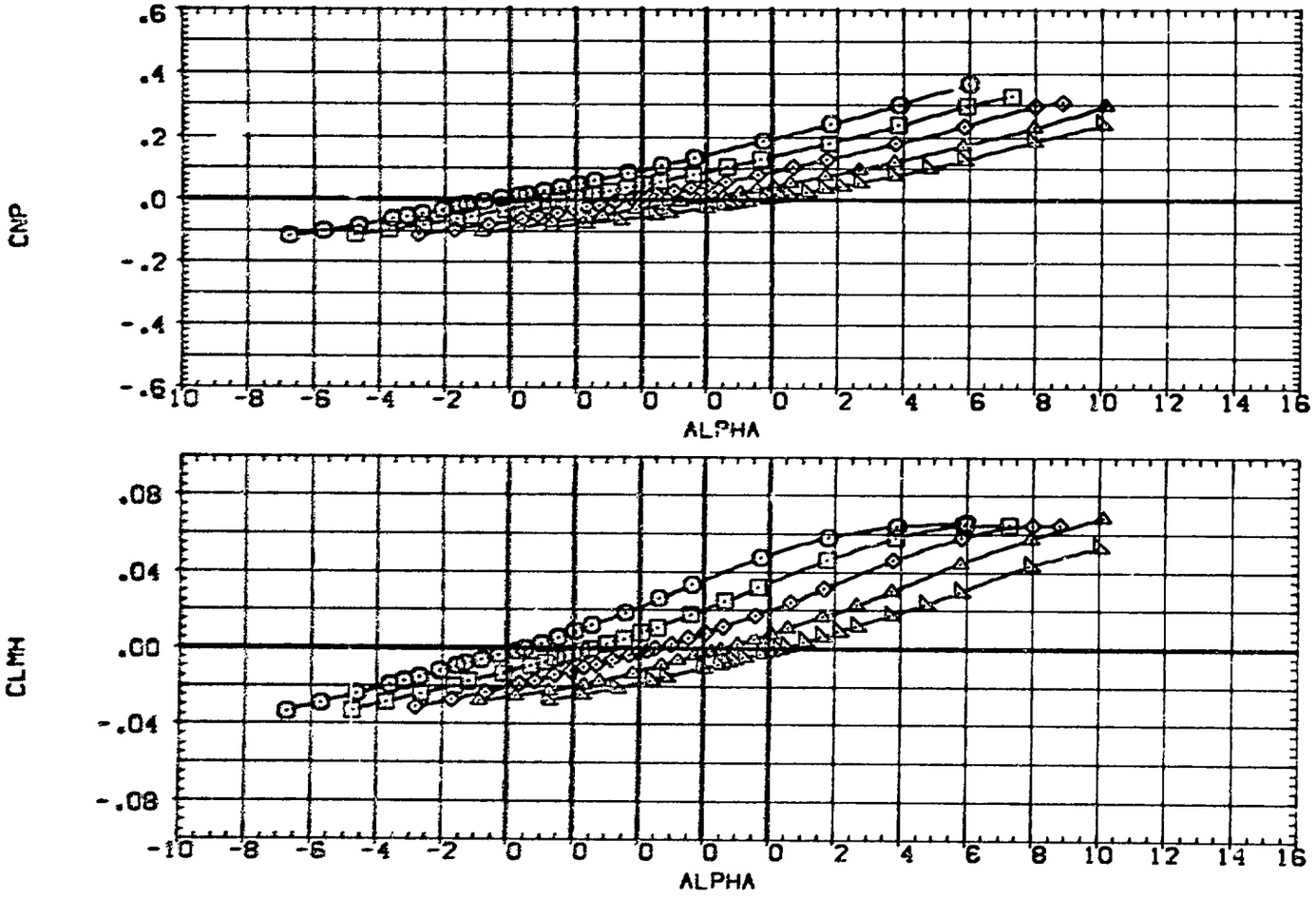
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. BIF1 (CX3R19)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.897	PHI	22.500	FRCORD	7.000
□	1.049	LAMBDA	.000	FIN NO	2.000
◇	1.100	THETA	45.000	CR/D	1.750
△	1.200	B/2D	.660		
◁	1.299				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3U19)

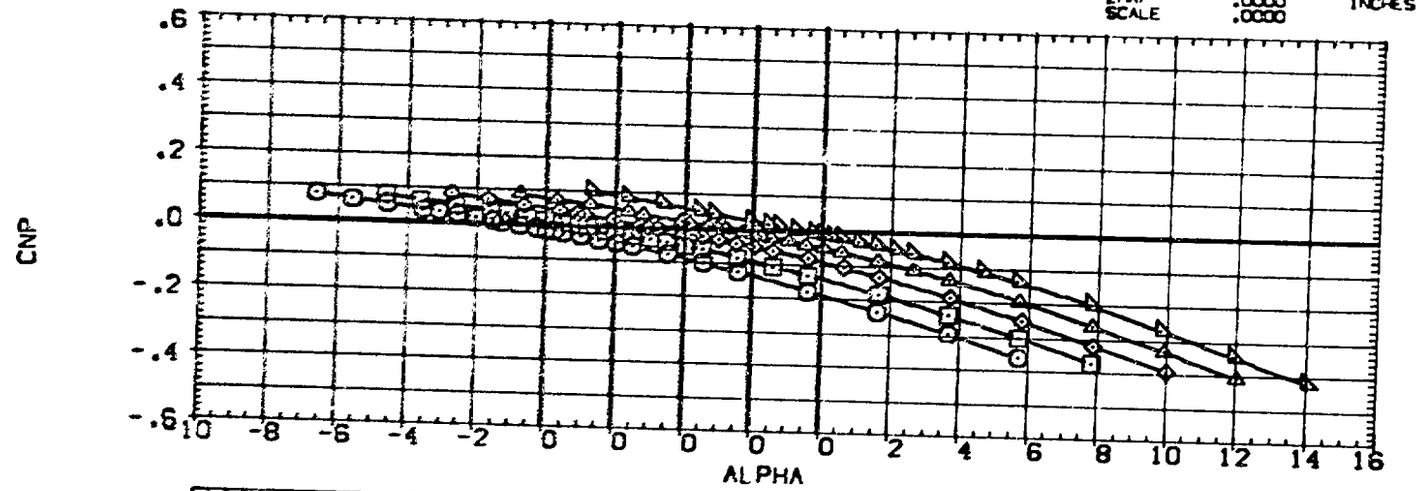
SYMBOL	MACH
	.503
	.602
	.801
	.901
	.919

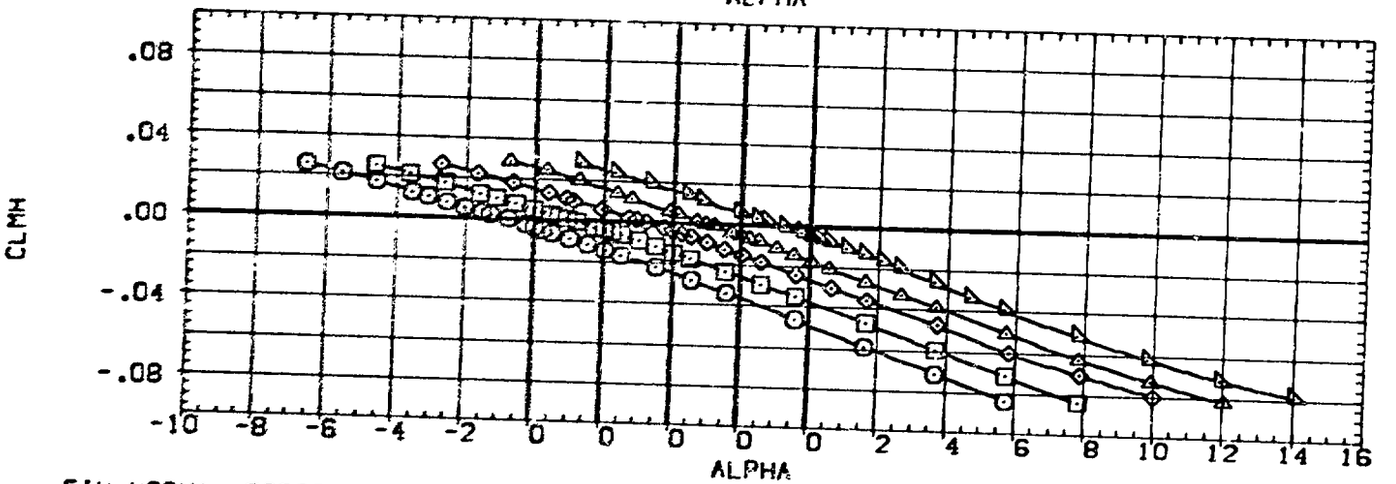
PARAMETRIC VALUES

PHI	22.500	FRCORD	7.000
LAMBDA	.000	FIN NO	3.000
THETA	45.000	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





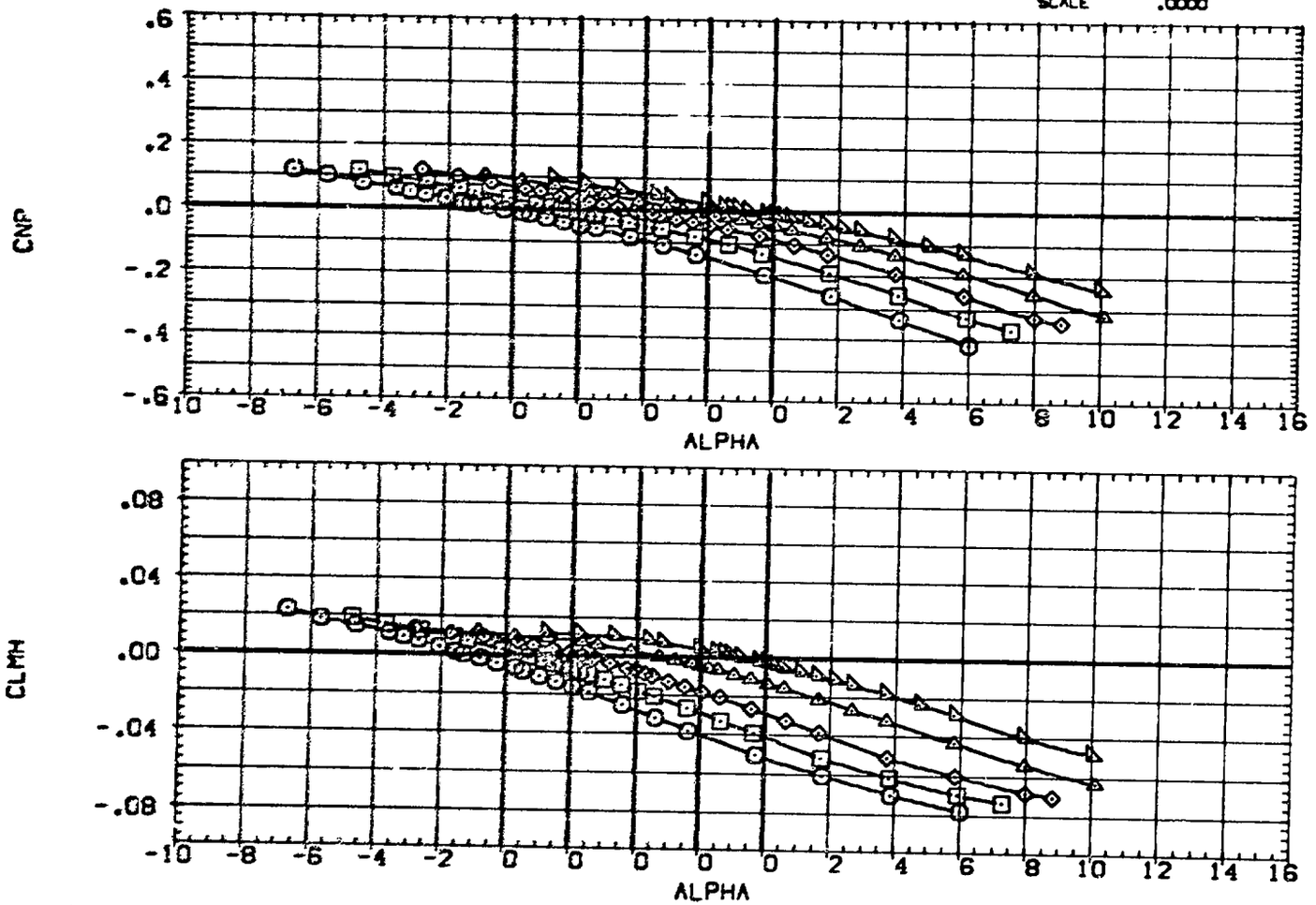
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3U19)

SYMBOL	MACH		PARAMETRIC VALUES		
▽	.887	PHI	22.500	FR/RB	7.000
◇	1.049	LAMBDA	.000	FIN NO	3.000
□	1.100	THETA	45.000	CR/B	1.750
○	1.200	B/2B	.660		
◁	1.298				

REFERENCE INFORMATION

BREF	18.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



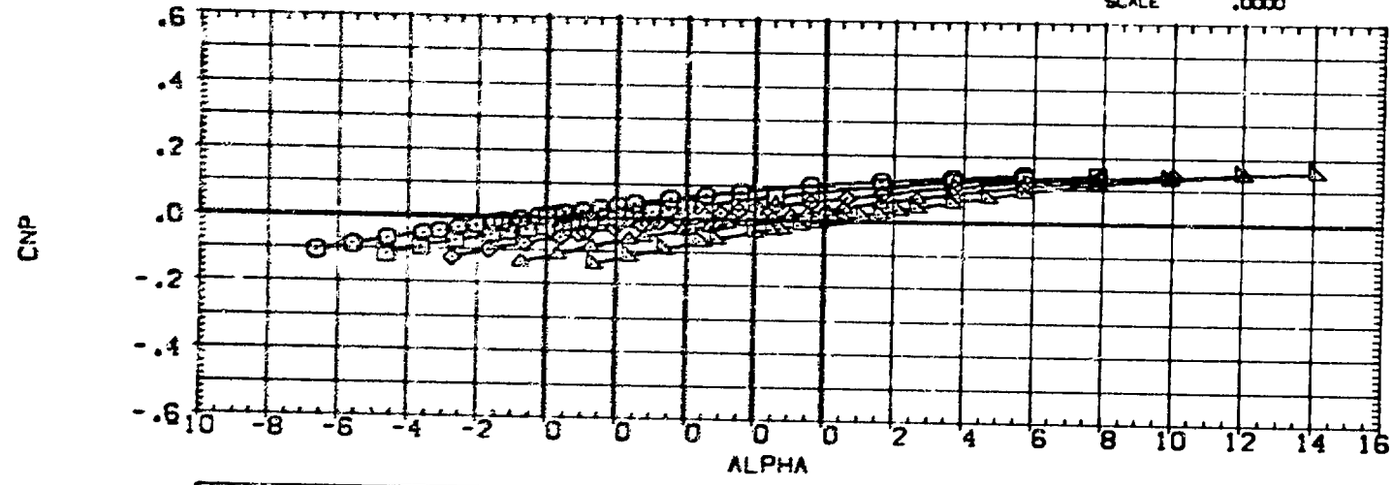
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

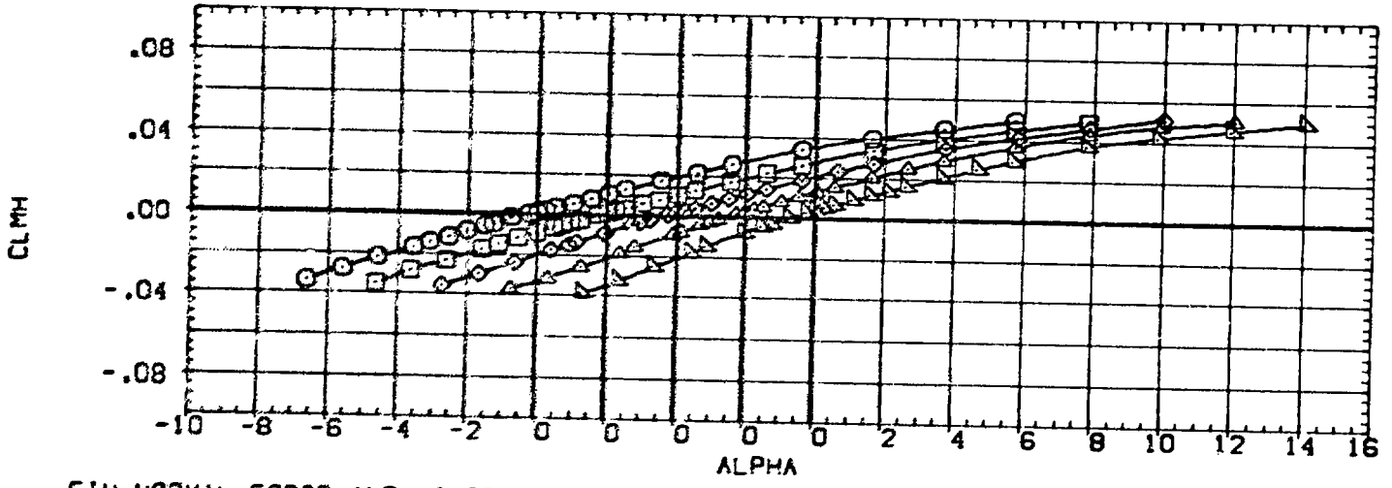
AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3L19)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.503	PHI	22.500	FRORD	7.000
△	.602	LAMBDA	.000	FIN NO	4.000
	.801	THETA	45.000	CR/S	1.750
	.901	B/2S	.662		
	.946				

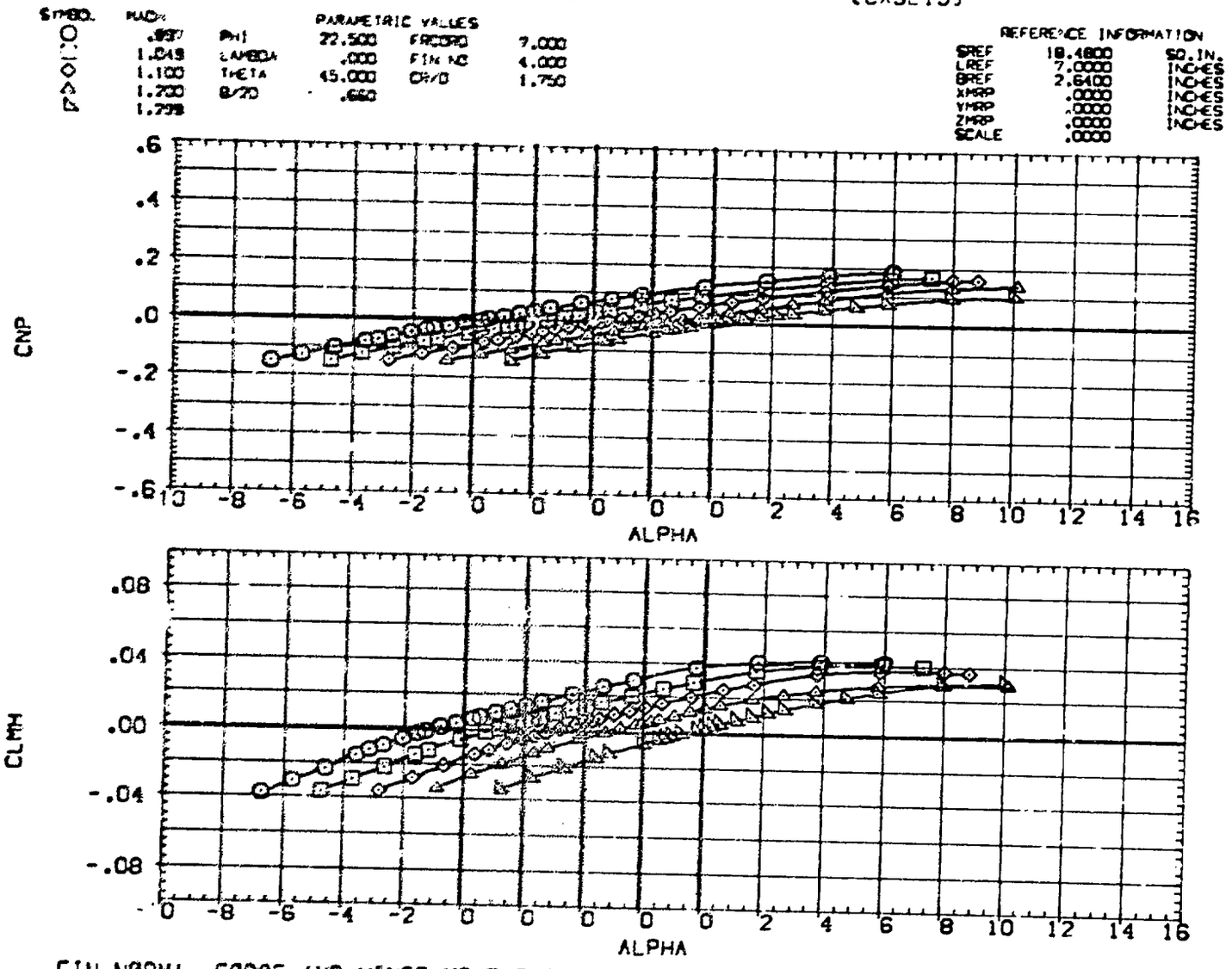
REFERENCE INFORMATION

SREF	18.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

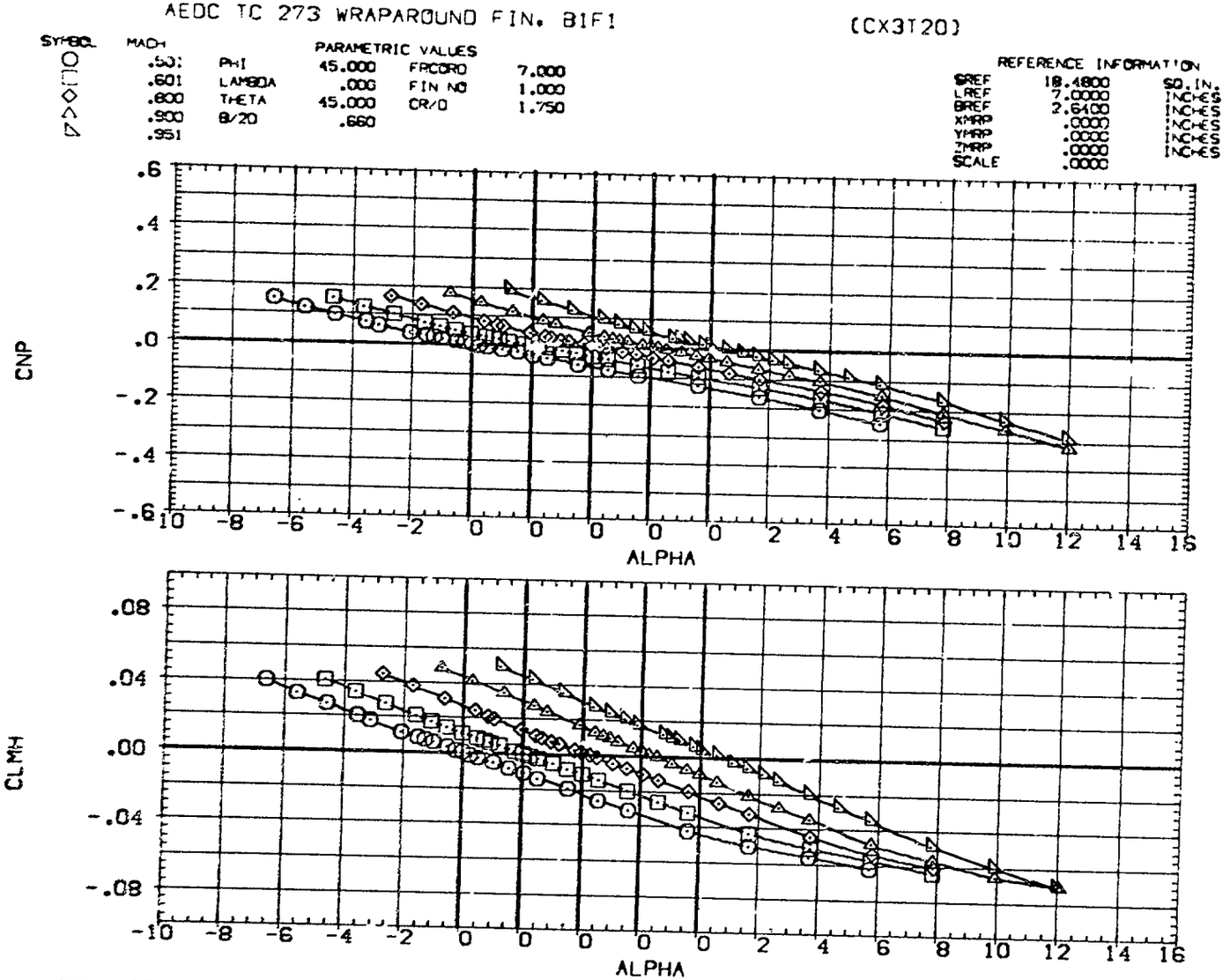




FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES



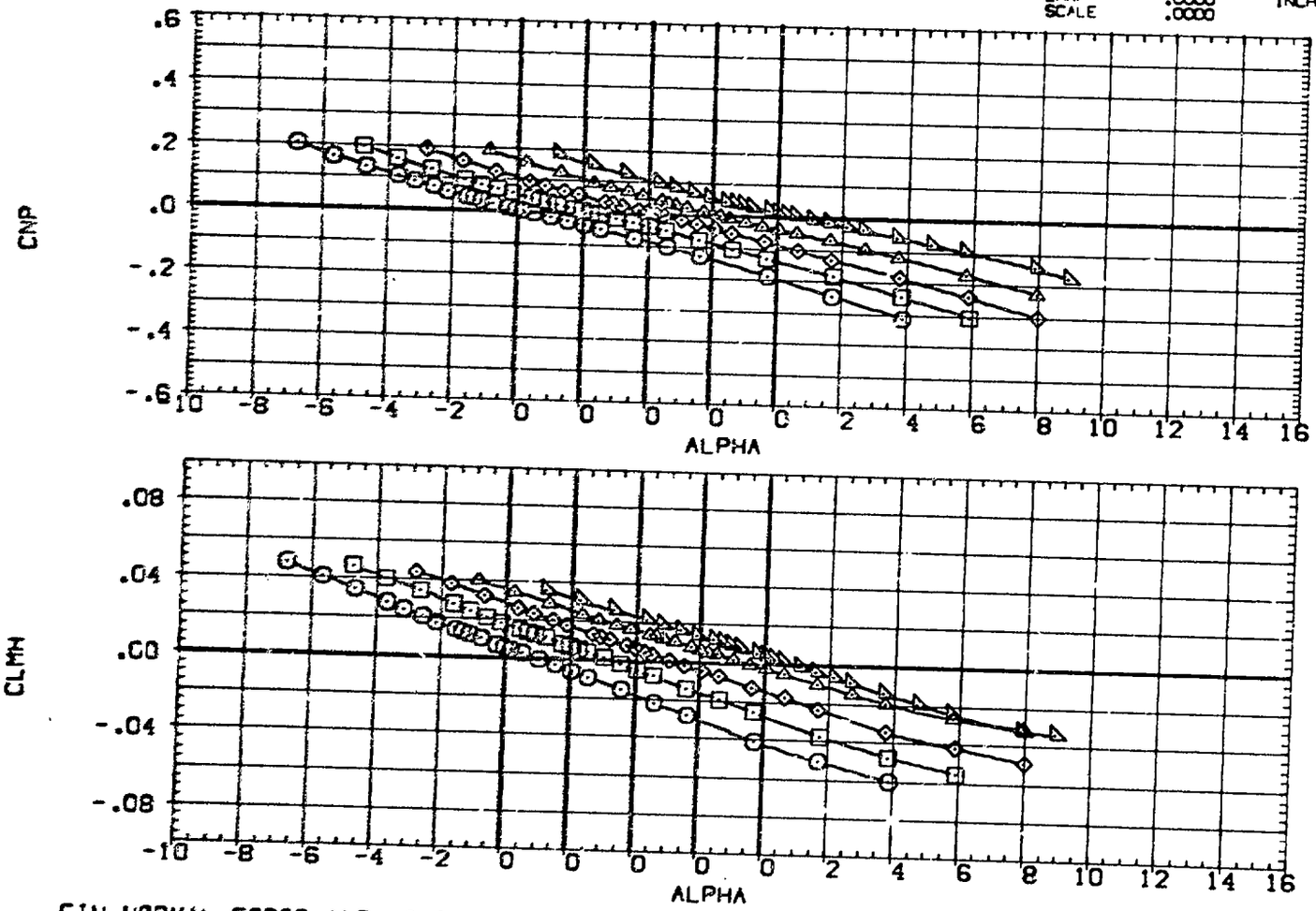
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3T20)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.999	PHI	45.000	FRORD	7.000
	1.049	LAMBDA	.000	FIN NO	1.000
	1.102	THETA	45.000	CR/C	1.750
	1.200	B/2C	.660		
	1.300				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



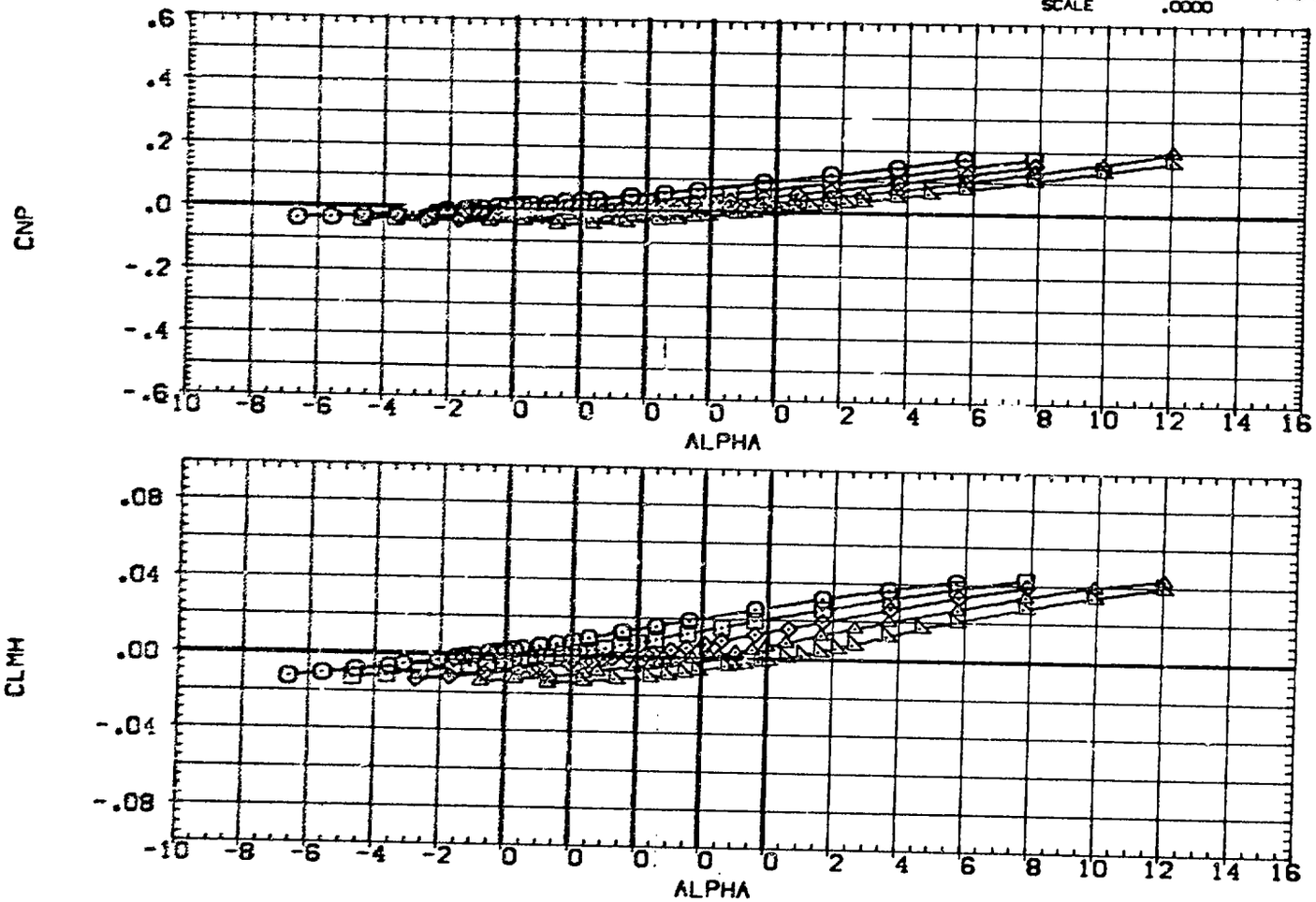
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3R20)

SYMBOL	MACH		PARAMETRIC VALUES		
◇	.501	PHI	45.000	FRCORG	7.000
□	.601	LAMBDA	.000	FIN NO	2.000
△	.800	THETA	45.000	CR/D	1.750
○	.900	B/2D	.650		
▽	.951				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



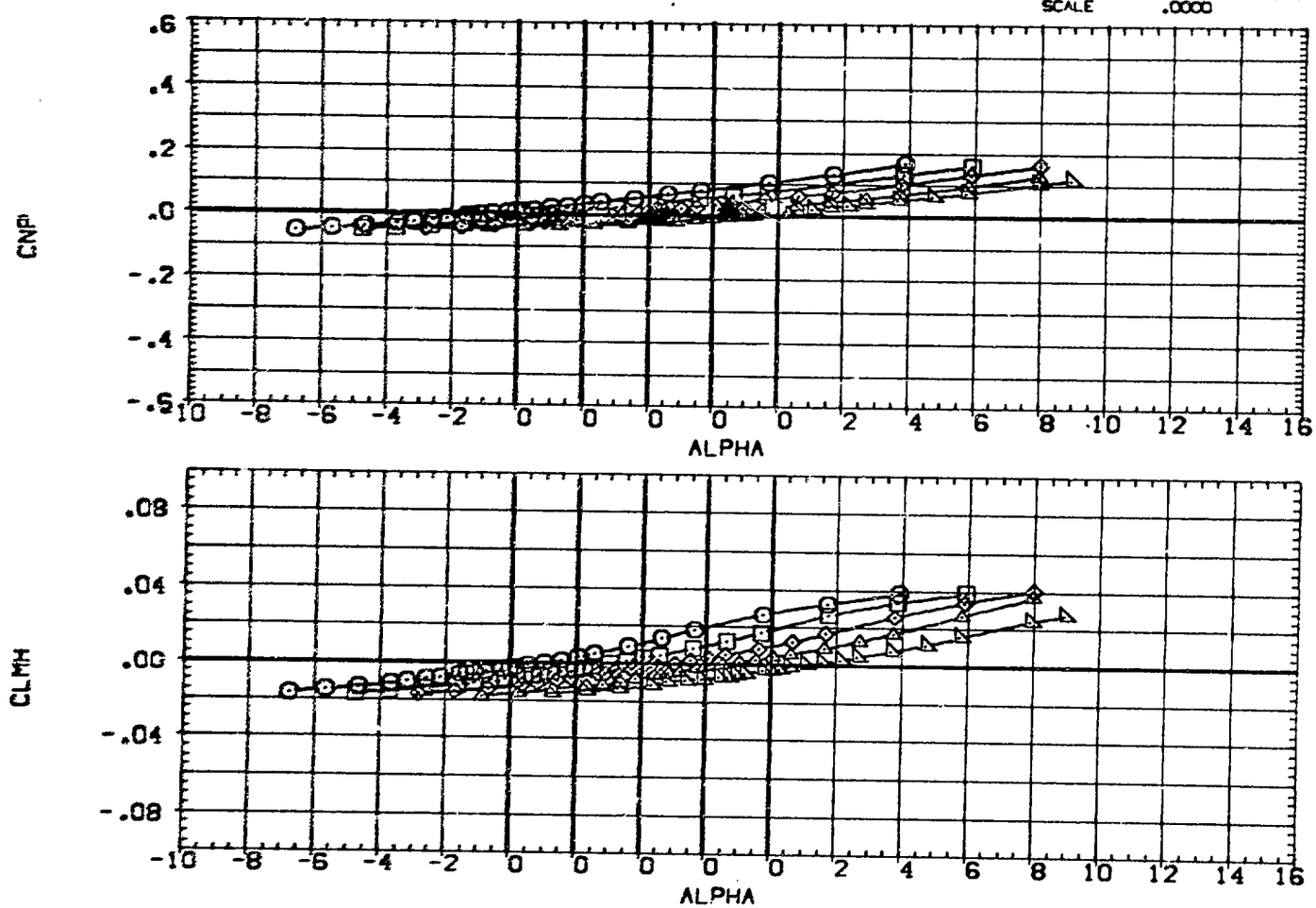
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3R2C)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.895	PHI	45.000	FRCORD	7.000
□	1.049	LAMBDA	.000	FIN NO	2.000
◇	1.102	THETA	45.000	CR/D	1.750
△	1.200	B/2B	.660		
▽	1.300				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



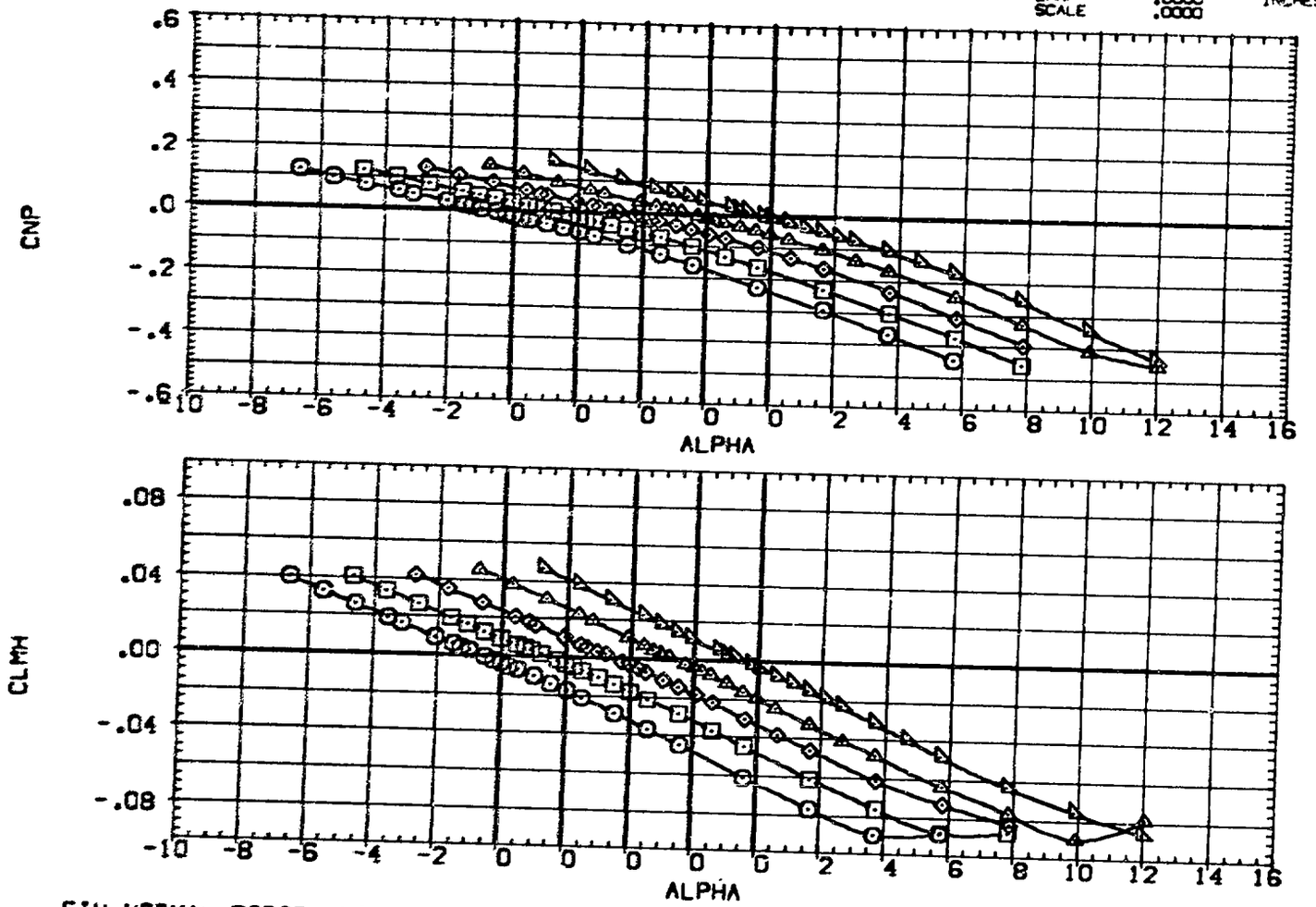
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3U20)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.501	PHI	45.000	FRCORD	7.000
□	.601	LAMBDA	.000	FIN NO	3.000
△	.800	THETA	45.000	CR/B	1.750
◇	.900	B/2B	.660		
▽	.951				

REFERENCE INFORMATION

SREF	18.4900	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



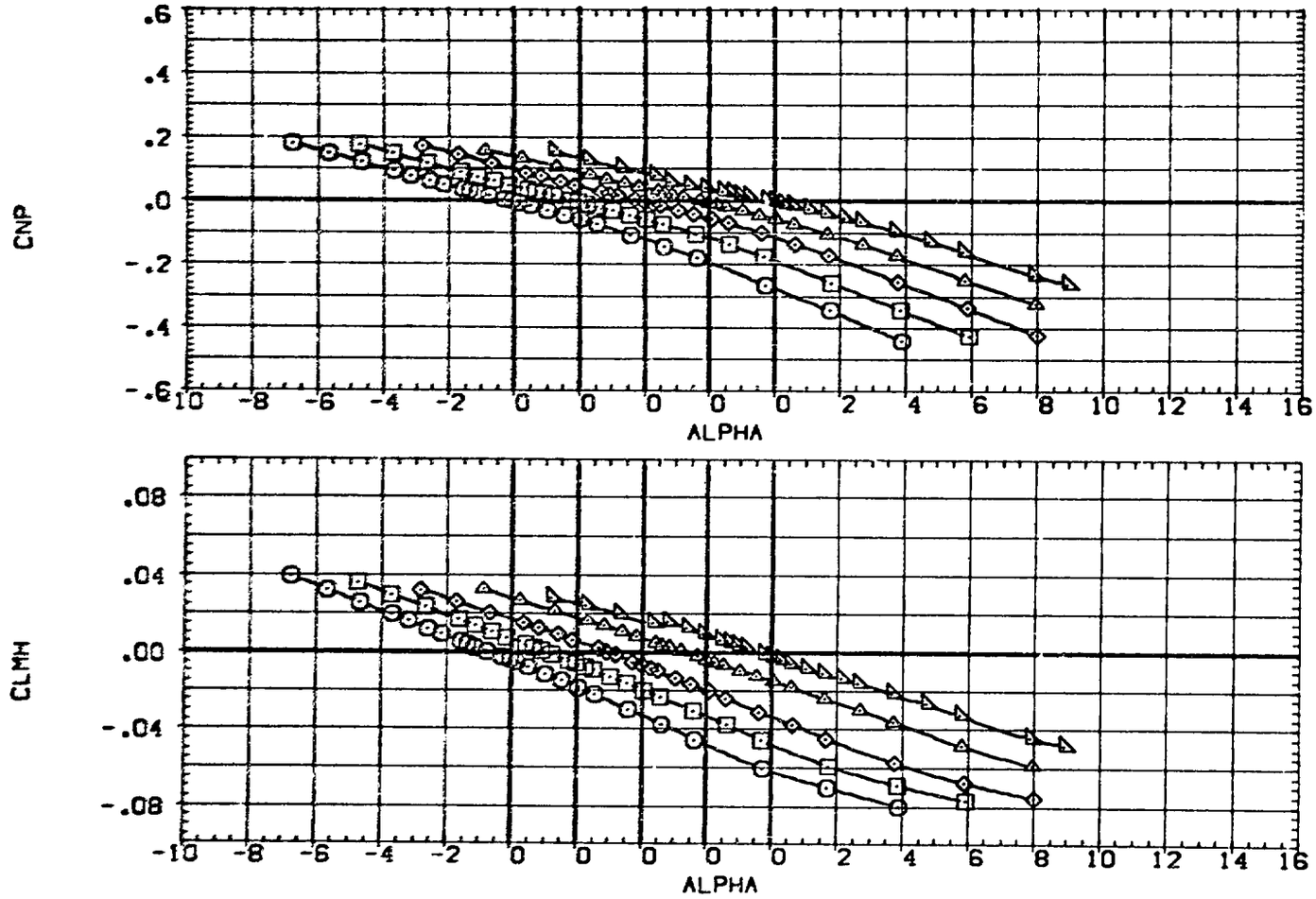
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. BIF1 (CX3U20)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.955	PHI	45.000	FRCORD	7.000
□	1.045	LAMBDA	.000	FIN NO	3.000
◇	1.102	THETA	45.000	CR/D	1.750
△	1.200	B/2D	.660		
◁	1.300				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



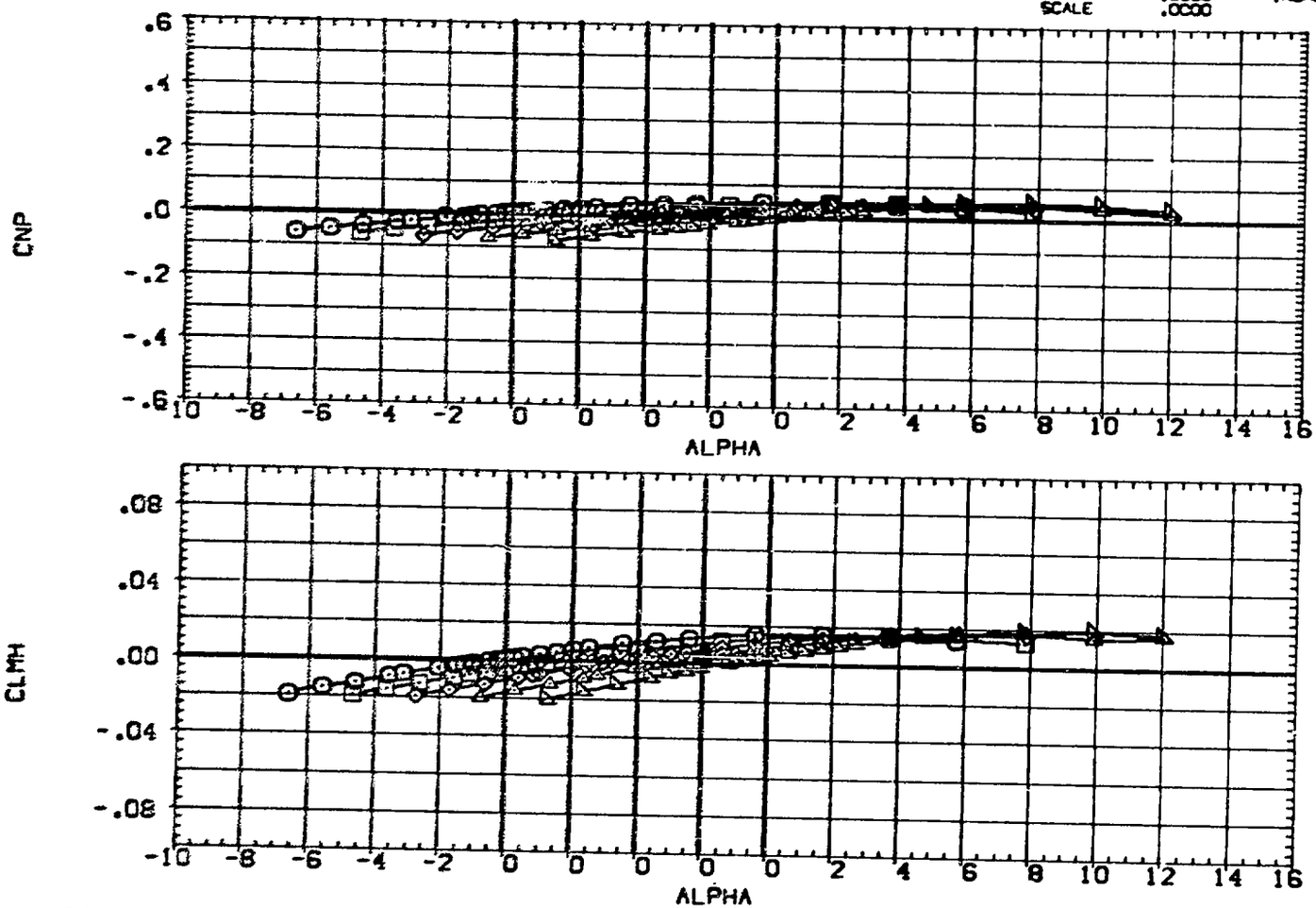
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN. B1F1 (CX3L20)

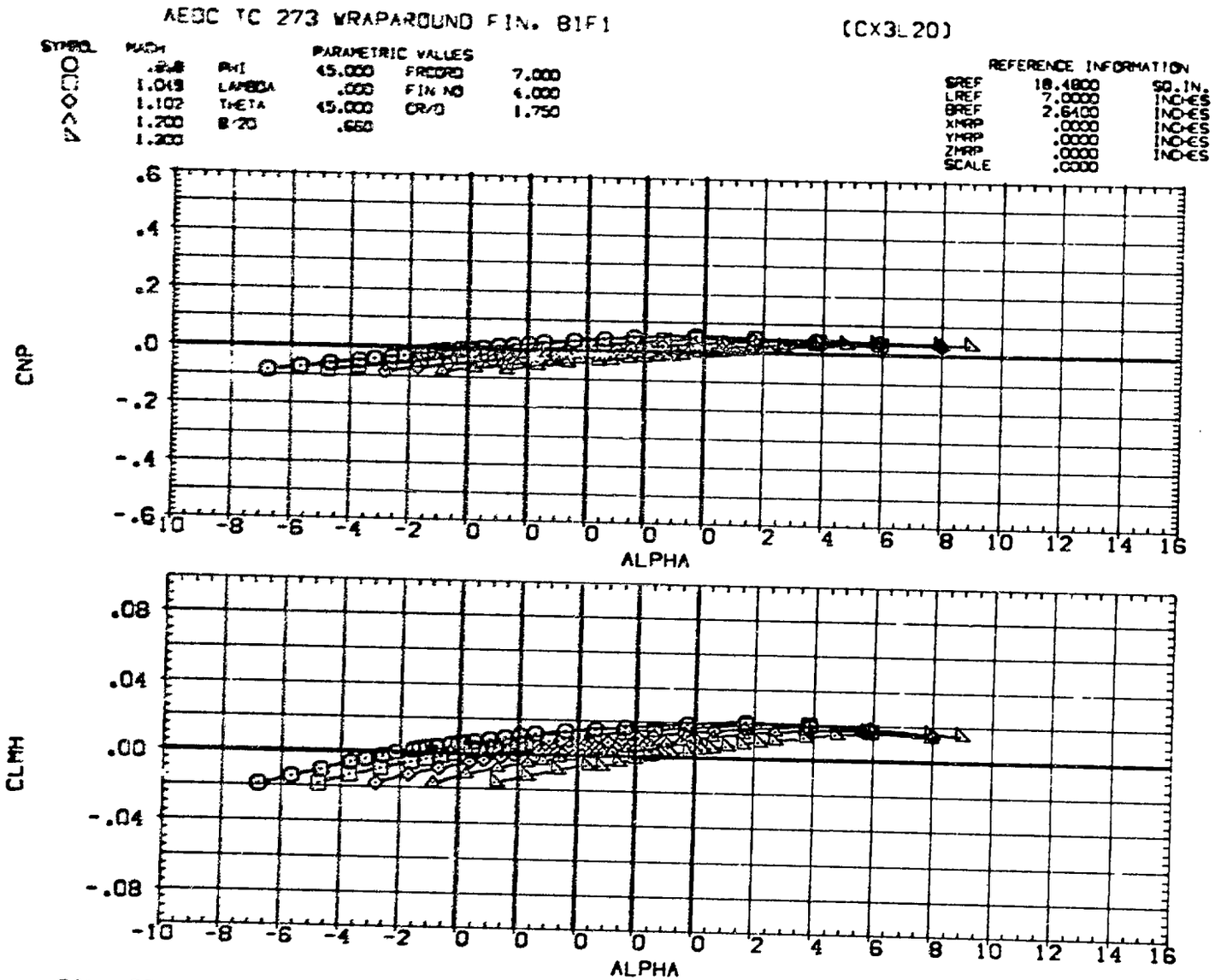
SYMBOL	MACH		PARAMETRIC VALUES		
◇	.501	PHI	45.000	FRCORD	7.000
◇	.651	LAMBDA	.000	FIN NO	4.000
◇	.800	THETA	45.000	CR/D	1.750
◇	.900	B/2D	.660		
◇	.951				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

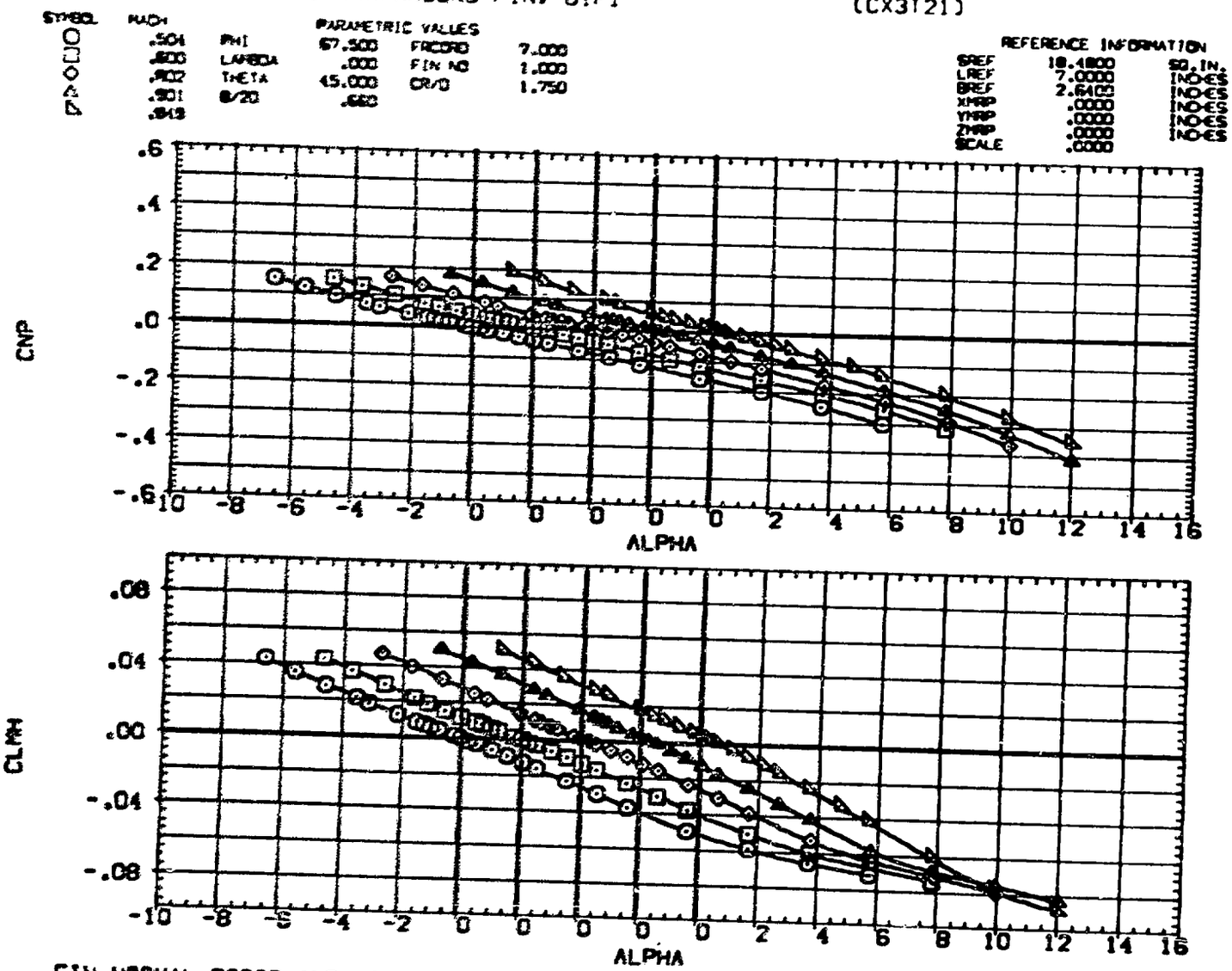


FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3T21)



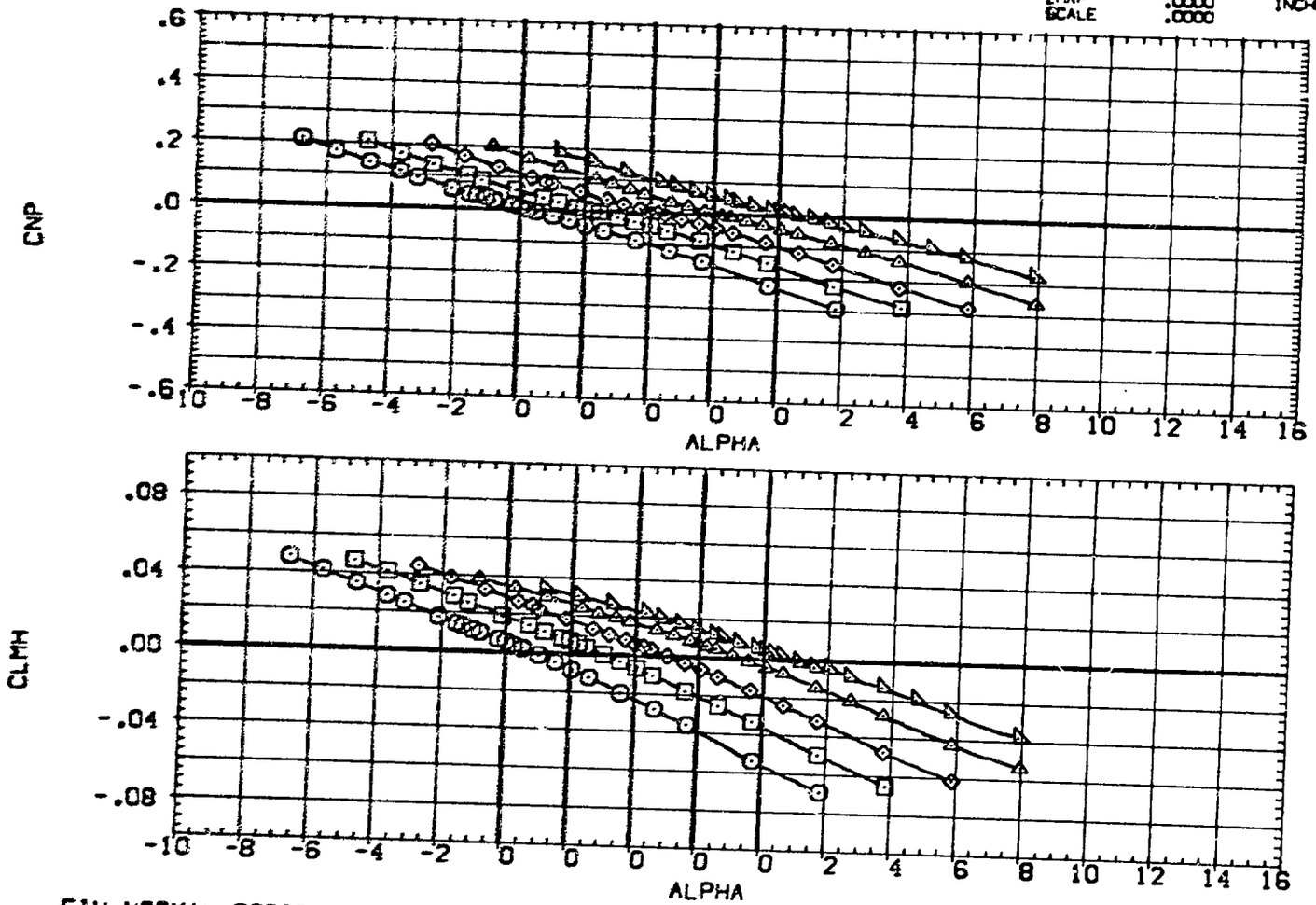
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3T21)

SYMBOL	MACH		PARAMETRIC VALUES		
◇	1.001	PHI	67.500	FRORD	7.000
◇	1.050	LAMBDA	.000	FIN NO	1.000
◇	1.098	THETA	45.000	CR/D	1.750
◇	1.201	B/2D	.660		
◇	1.297				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3R21)

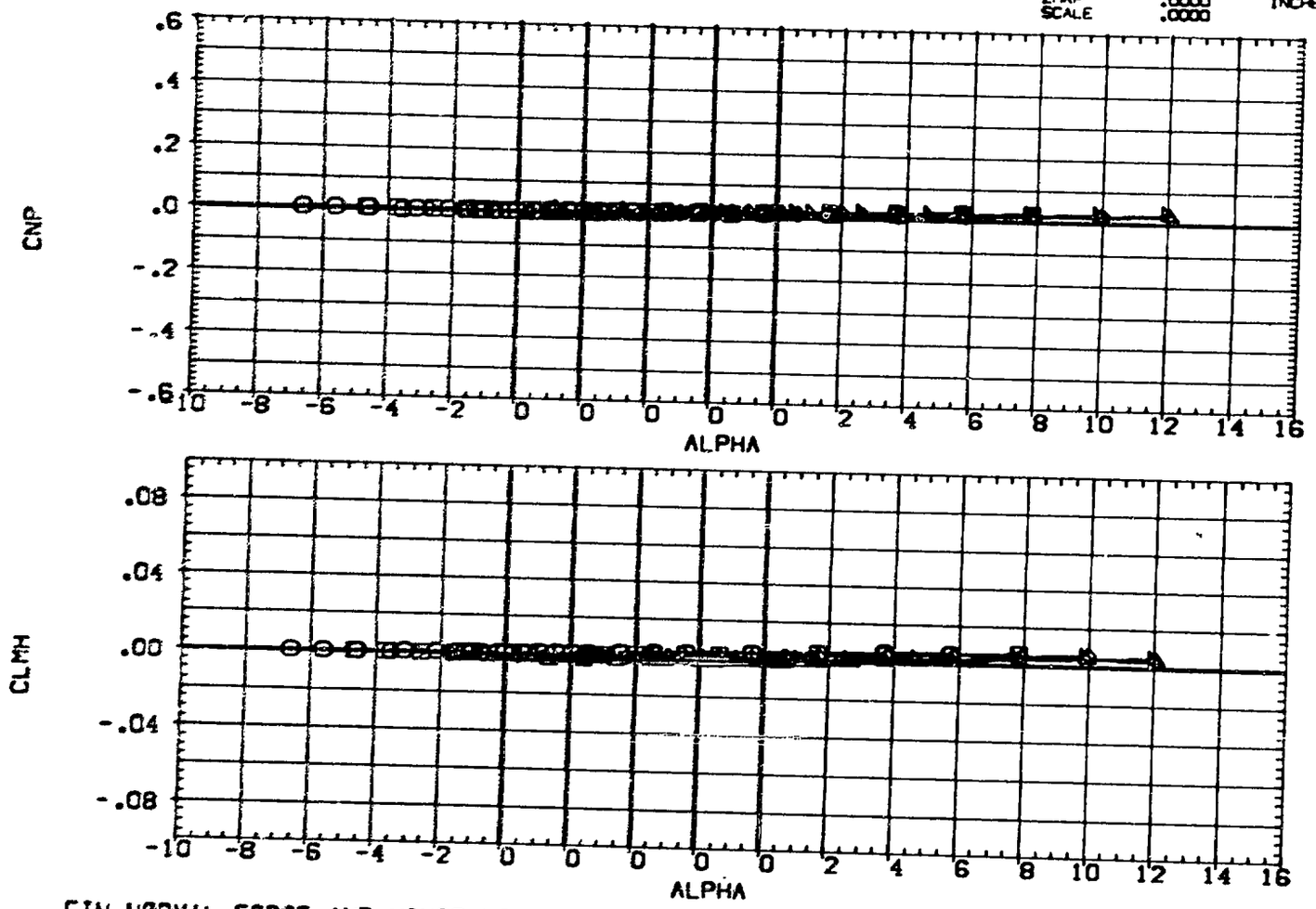
SYMBOL	MACH
○	.504
□	.600
△	.802
◇	.901
▽	.949

PARAMETRIC VALUES

PHI	67.500	FRCORD	7.000
LAMBDA	.000	FIN NO	2.000
THETA	45.000	CR/D	1.750
B/2D	.660		

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



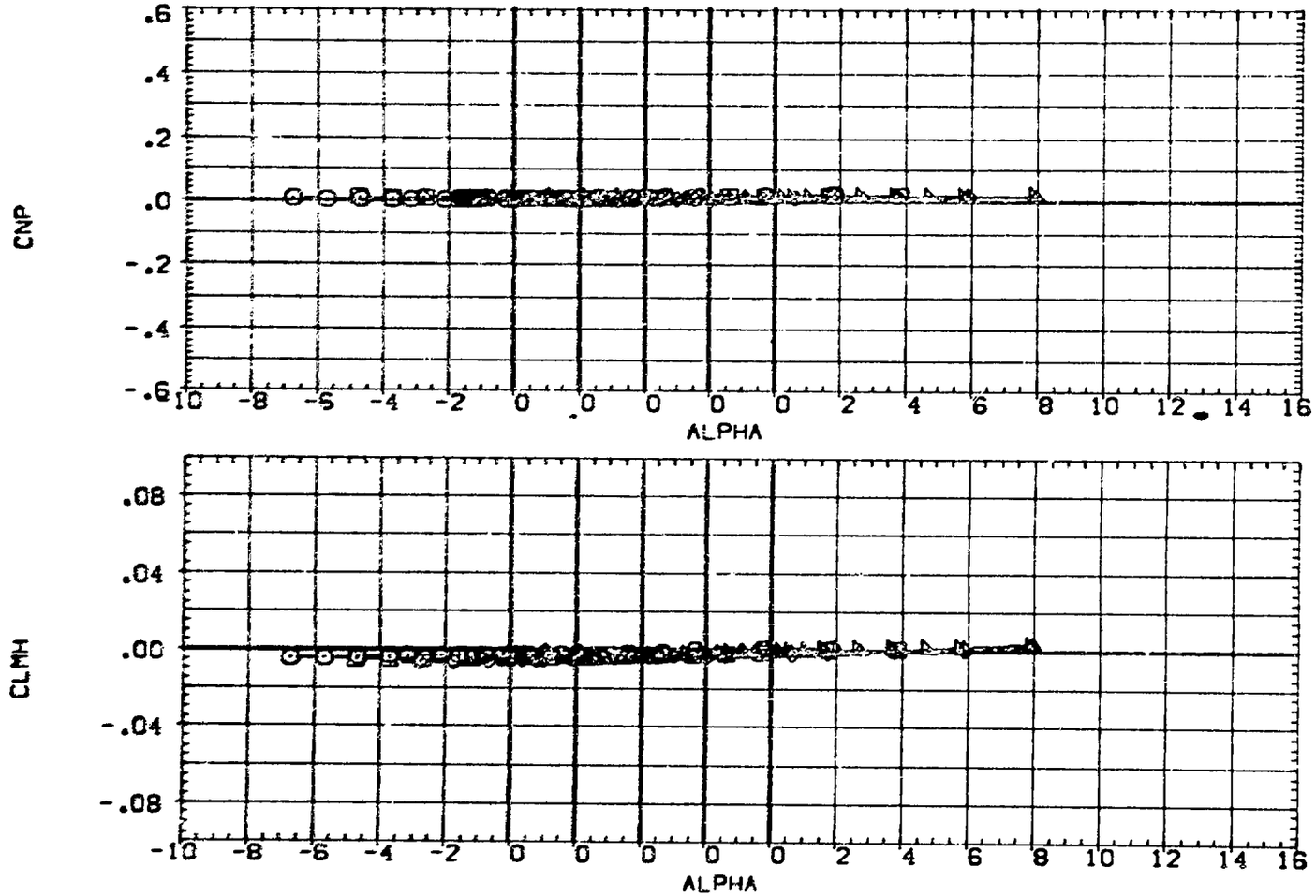
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3R21)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.001	PHI	67.500	FRCORD	7.000
◇	1.050	LAMBDA	.000	FIN NO	2.000
□	1.095	THETA	45.000	CR/D	1.750
△	1.201	B/2D	.660		
▽	1.297				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



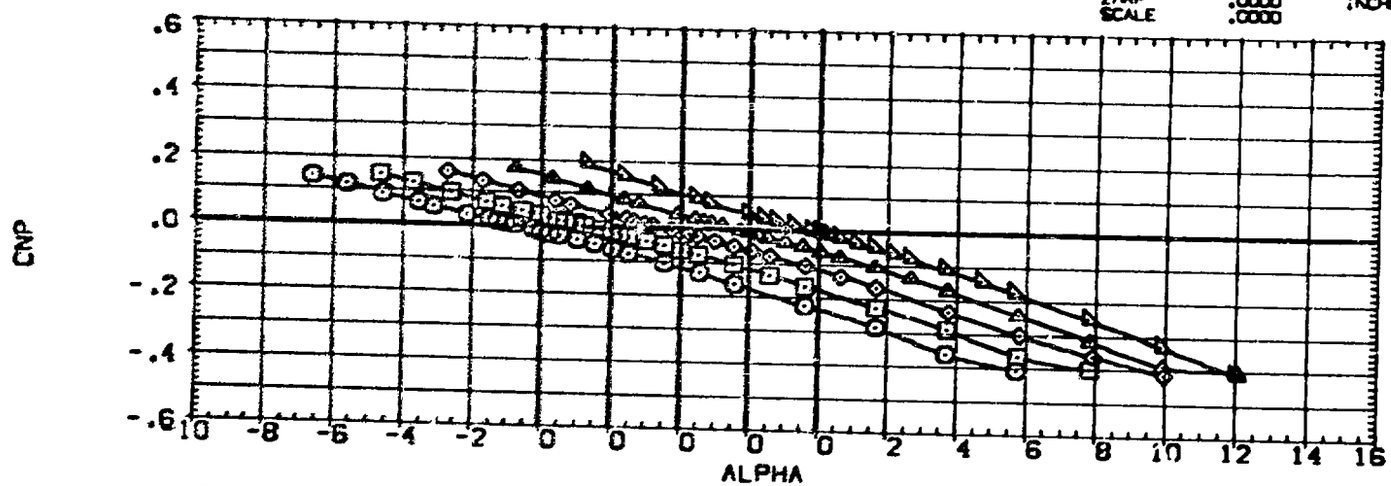
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

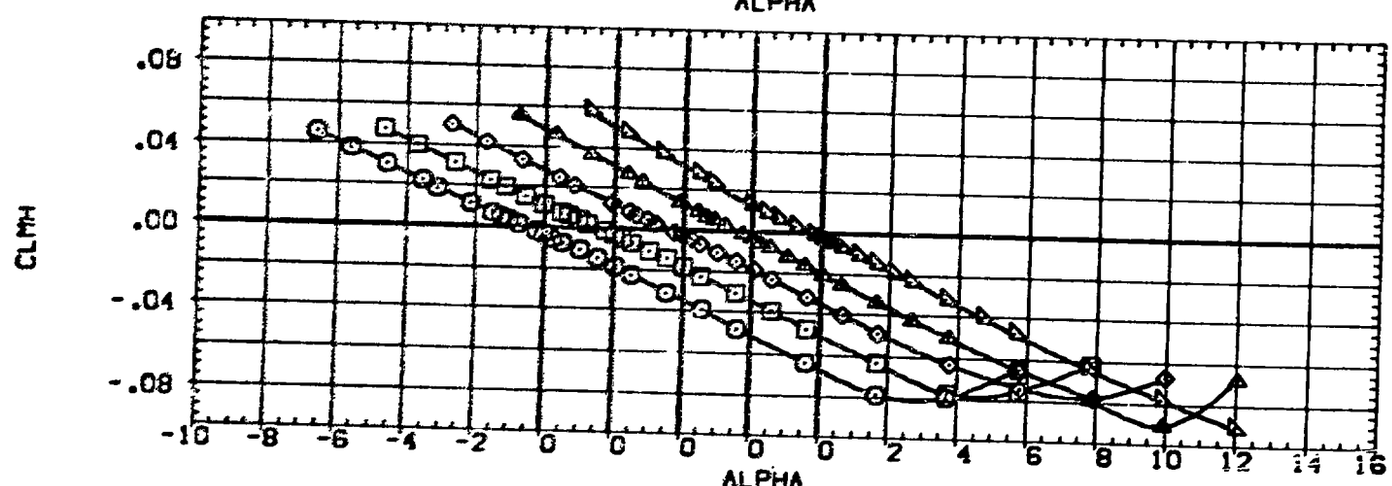
AEDC TC 273 WRAPAROUND FIN, BIF1 (CX3U21)

SYMBOL	MACH		PARAMETRIC VALUES		
◇	.504	PHI	67.500	FRCORG	7.000
	.600	LAMBDA	.000	FIN NO	3.000
	.802	THETA	45.000	CR/B	1.750
	.901	B/2B	.660		
	.918				

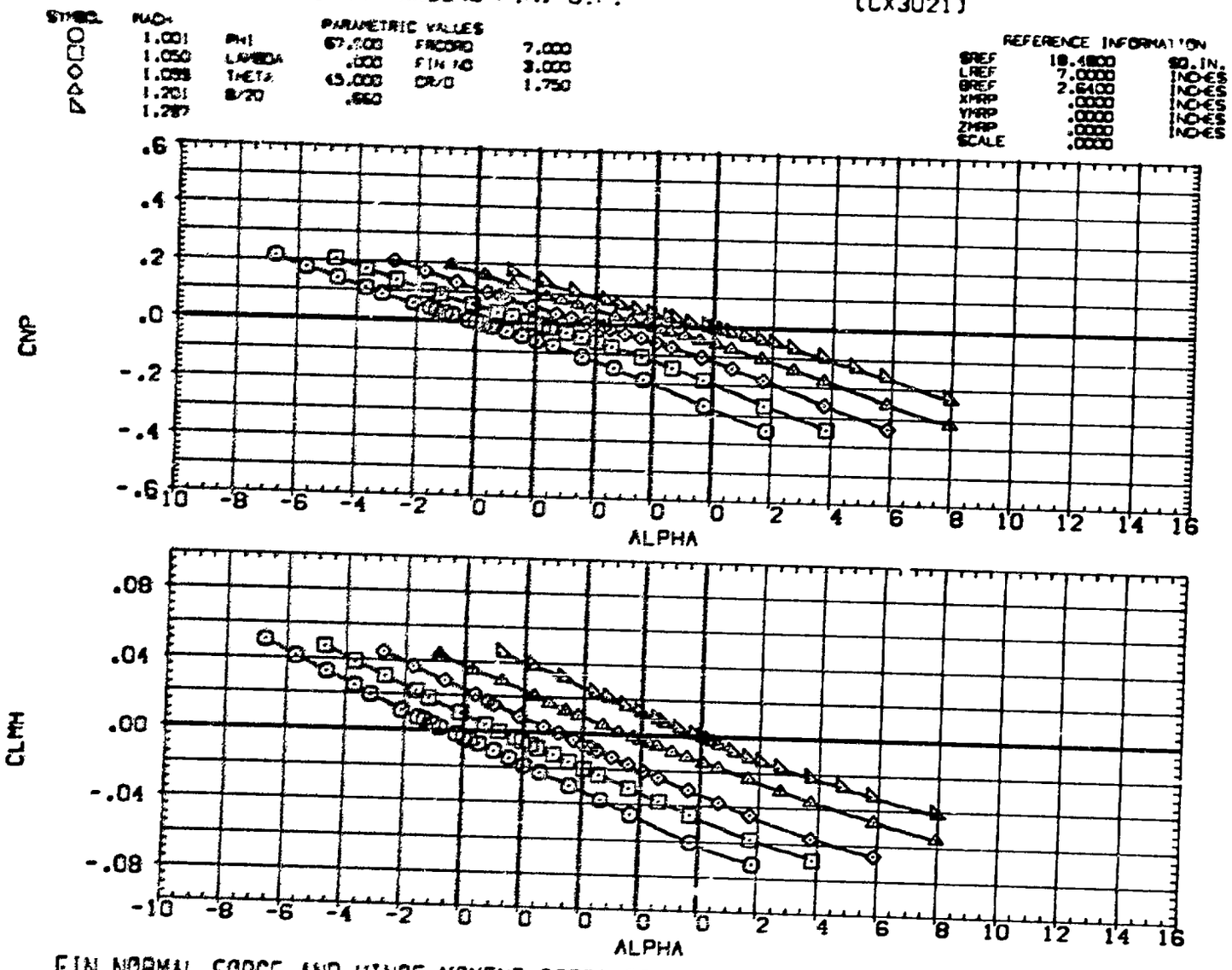
REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	





FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES



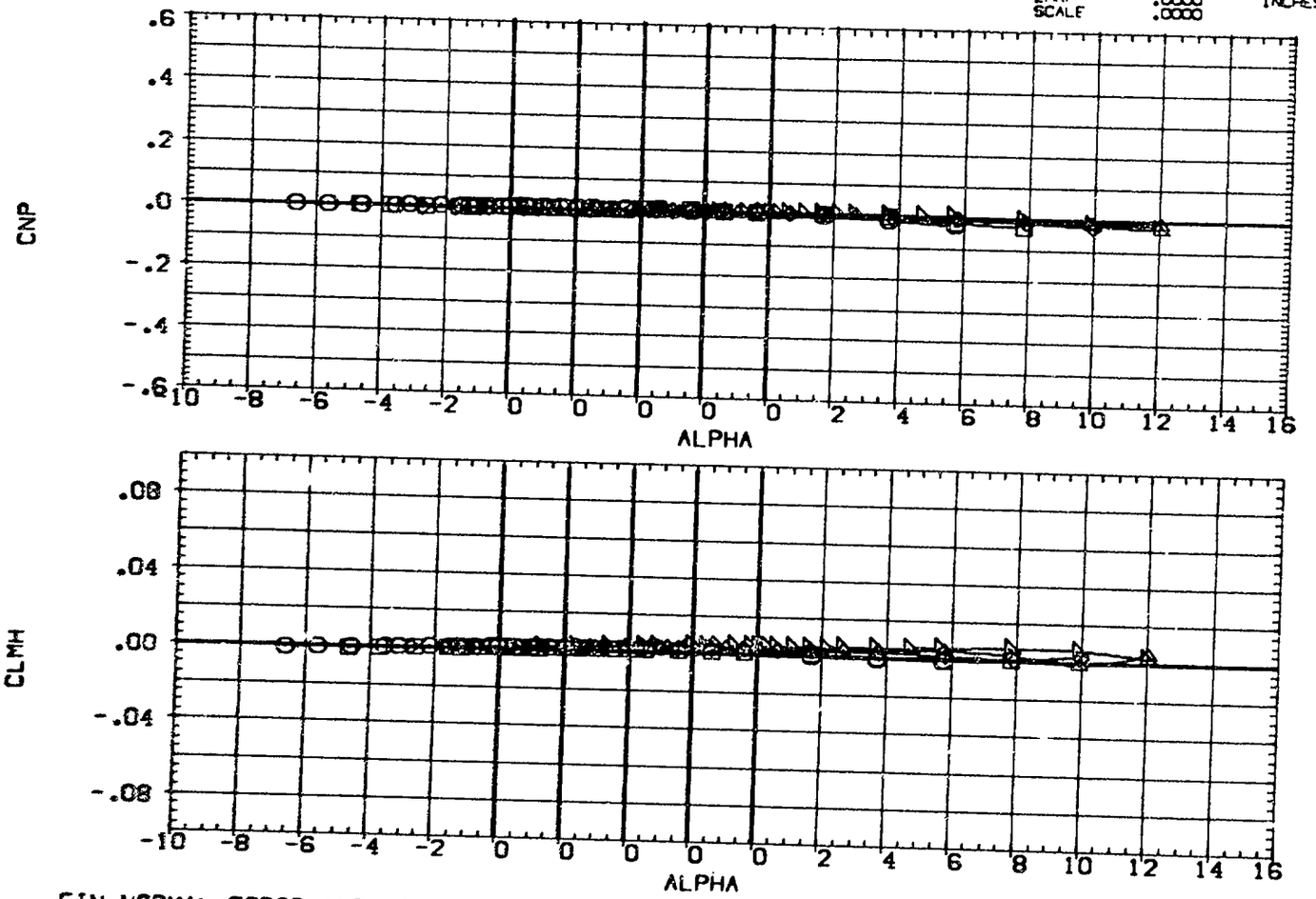
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3L21)

SYMBOL	MACH		PARAMETRIC VALUES		
○	.504	PHI	67.500	FRCORD	7.000
□	.600	LAMBDA	.000	FIN NO	4.000
◇	.802	THETA	45.000	CR/D	1.750
△	.901	B/2D	.660		
◁	.949				

REFERENCE INFORMATION

SREF	18.4800	SQ. IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



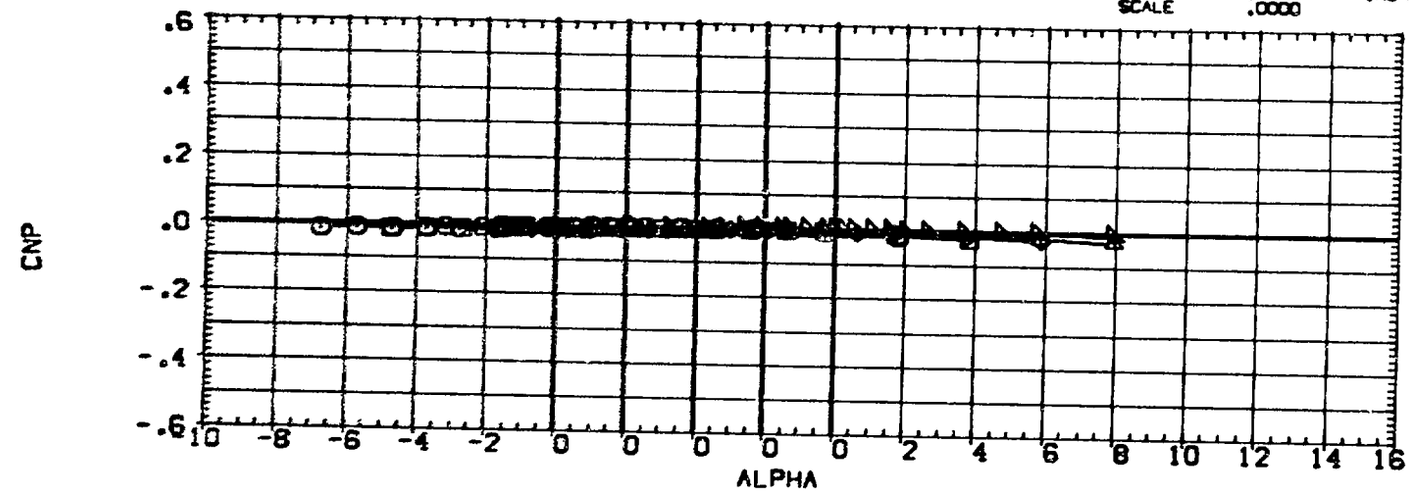
FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

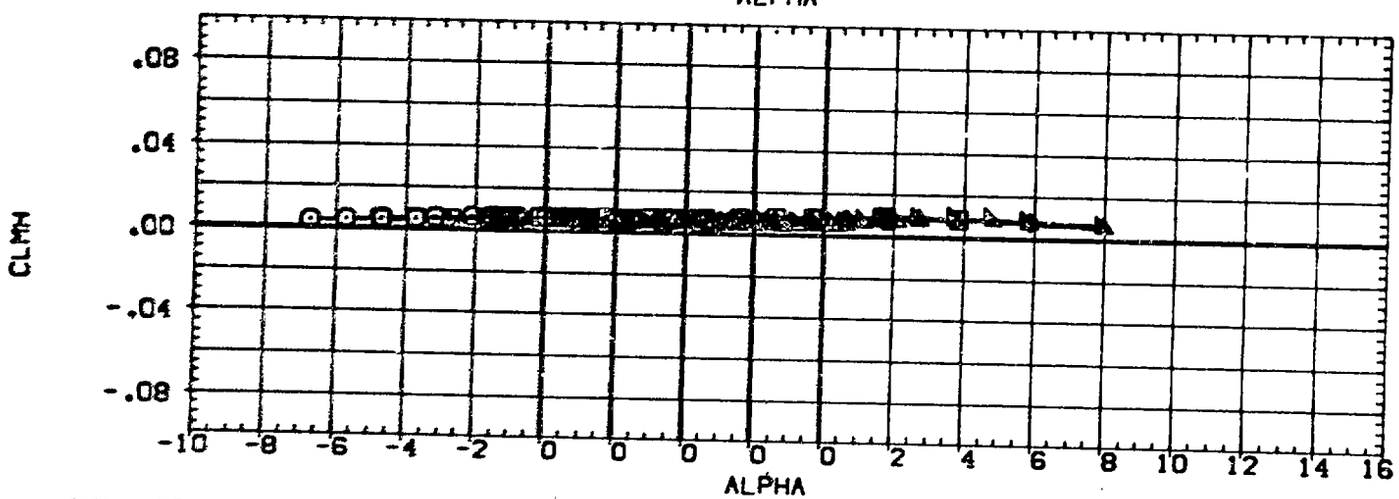
AEDC TC 273 WRAPAROUND FIN, B1F1 (CX3L21)

SYMBOL	MACH		PARAMETRIC VALUES		
○	1.001	PHI	67.500	FRCORD	7.000
□	1.050	LAMBDA	.000	FIN NO	4.000
◇	1.099	THETA	45.000	CR/D	1.750
△	1.201	B/2D	.660		
▽	1.297				

REFERENCE INFORMATION

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

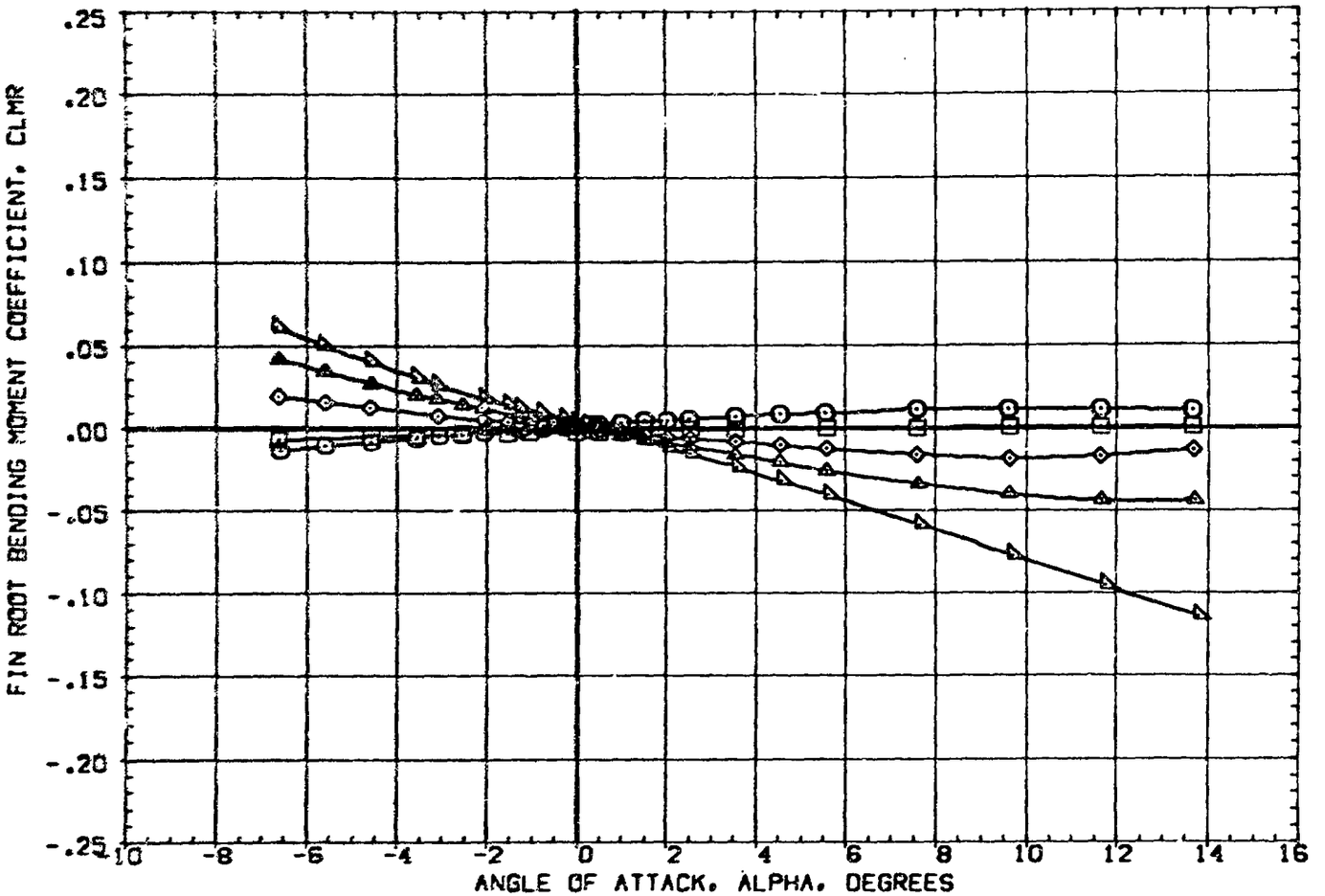




FIN NORMAL FORCE AND HINGE MOMENT COEFFICIENT AT THETA = 45.0 DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3101]	○	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	-10.000	1.750	1.000
[CX3105]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	1.000
[CX3114]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	1.000
[CX3118]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	1.000
[CX3122]	▽	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



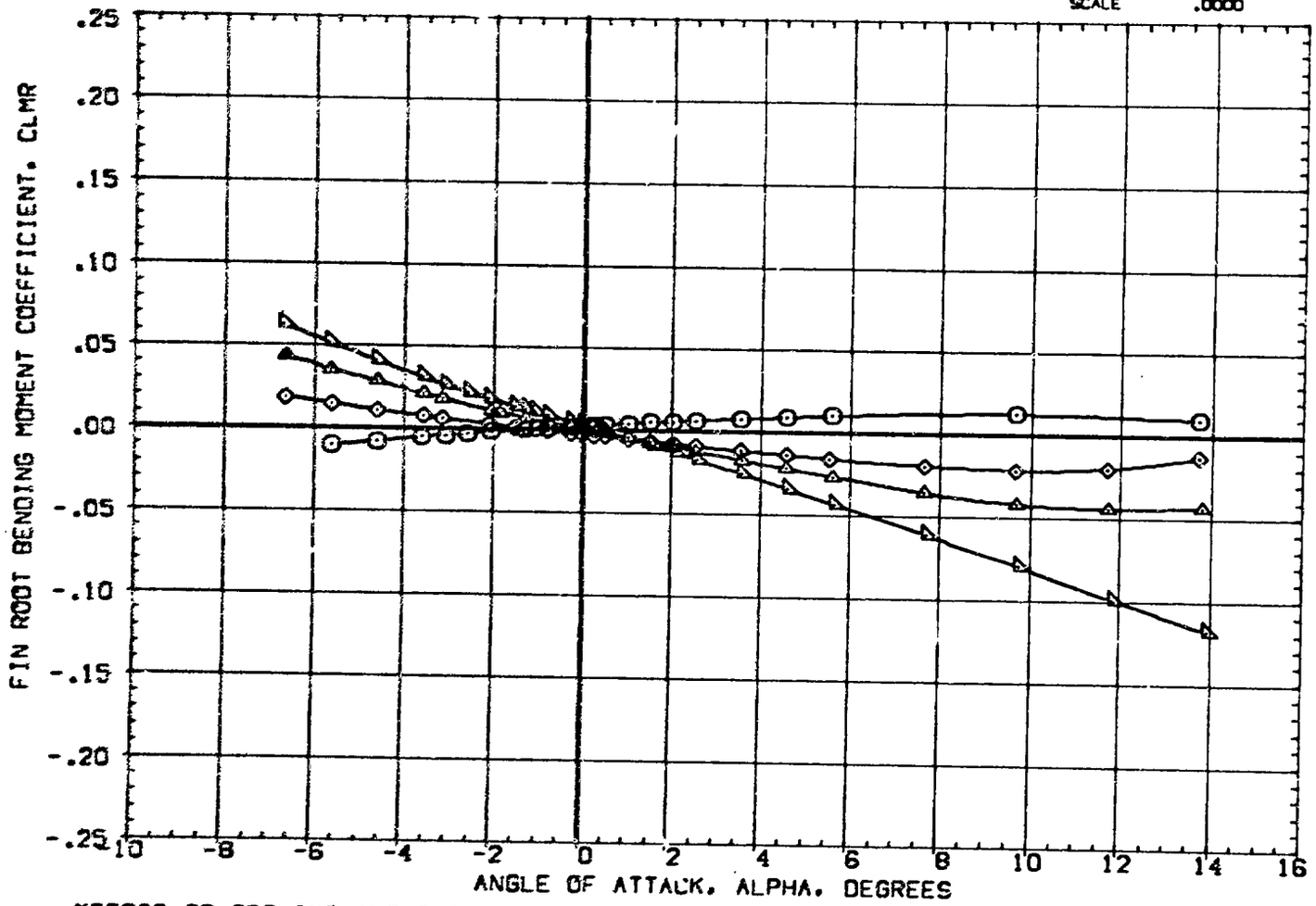
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C=3T01)	□	AEDC TC 273 WRAPAROUND FIN, BIF1
(C=3T05)		DATA NOT AVAILABLE
(C=3T14)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(C=3T18)	△	AEDC TC 273 WRAPAROUND FIN, BIF1
(C=3T22)	○	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
.000	-10.000	1.750	1.000
.000	.000	1.750	1.000
.000	22.500	1.750	1.000
.000	45.000	1.750	1.000
.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

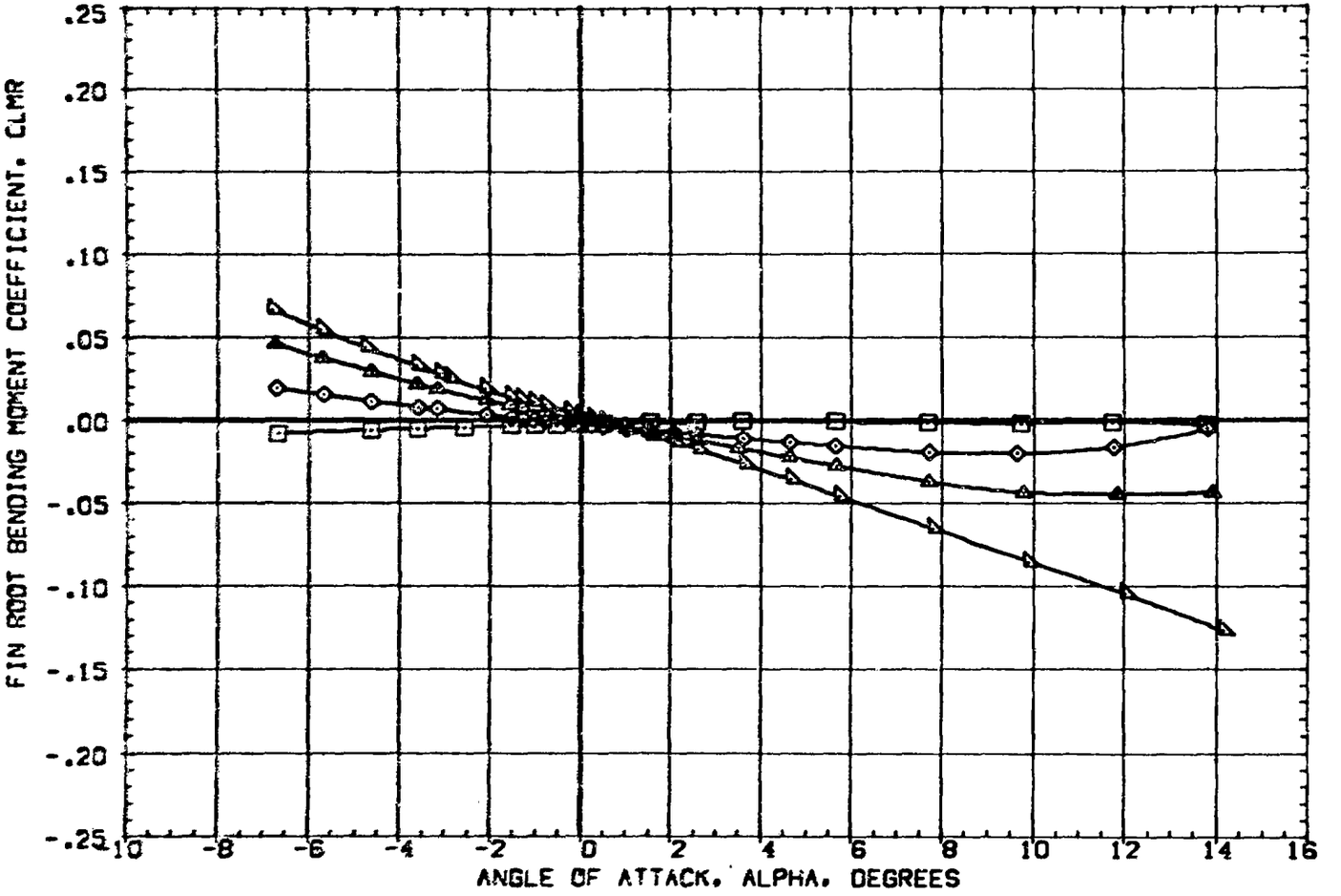


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C]3[01]		DATA NOT AVAILABLE	.000	-10.000	1.750	1.000
[C]3[05]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	1.000
[C]3[14]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	1.000
[C]3[18]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	1.000
[C]3[22]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



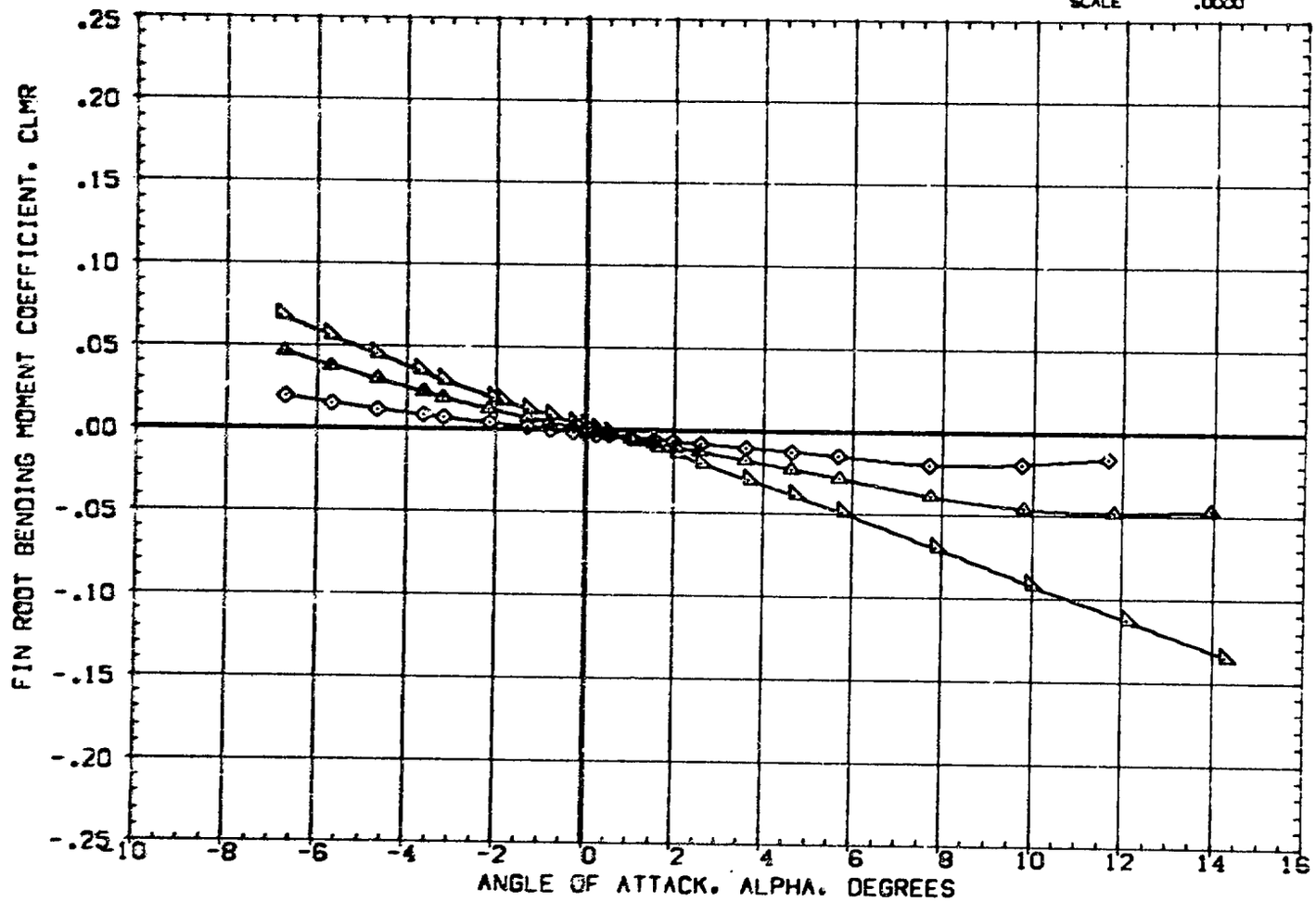
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[C]MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(Cx3101)		DATA NOT AVAILABLE
(Cx3105)		DATA NOT AVAILABLE
(Cx3114)		AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3118)		AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3122)		AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
.000	-10.000	1.750	1.000
.000	.000	1.750	1.000
.000	22.500	1.750	1.000
.000	45.000	1.750	1.000
.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

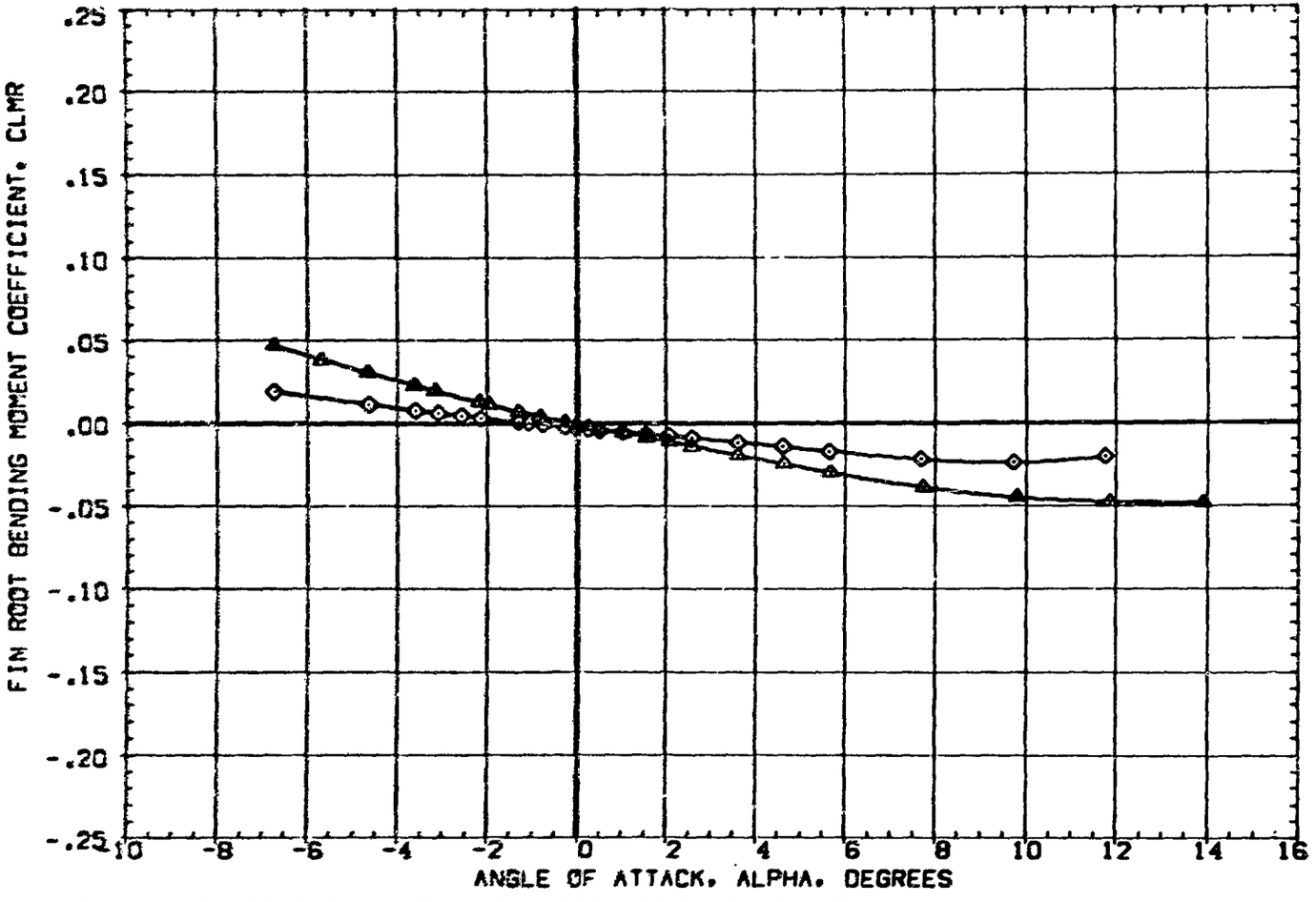


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	□	DATA NOT AVAILABLE	.000	-10.000	1.750	1.000
[illegible]	◇	DATA NOT AVAILABLE	.000	.000	1.750	1.000
[illegible]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	1.000
[illegible]	▽	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	1.000
[illegible]	⊲	DATA NOT AVAILABLE	.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	19.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

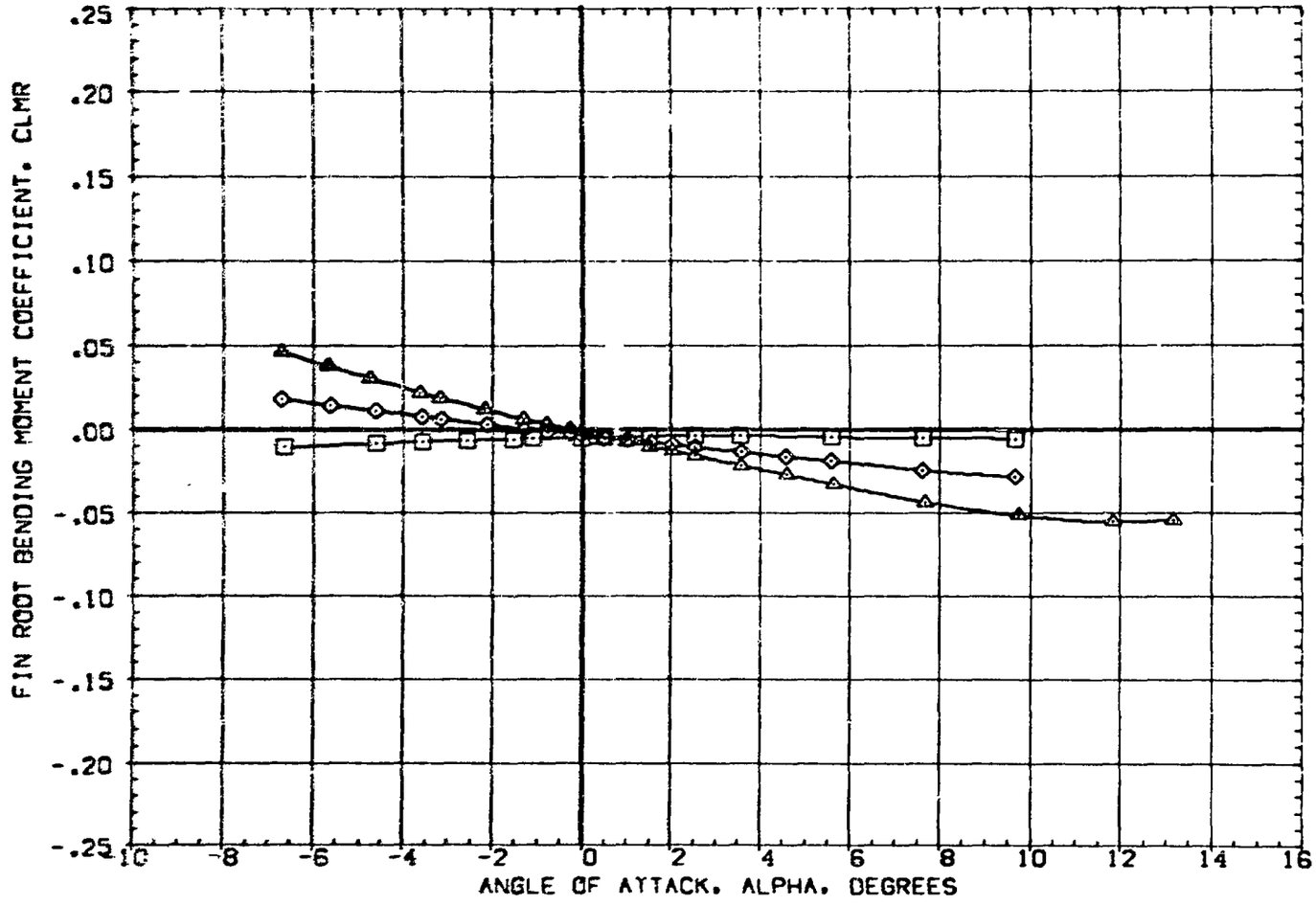


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[Cx3'01]	○	DATA NOT AVAILABLE	.000	-10.000	1.750	1.000
[Cx3'05]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	1.000
[Cx3'14]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	1.000
[Cx3'18]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	1.000
[Cx3'22]	▽	DATA NOT AVAILABLE	.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

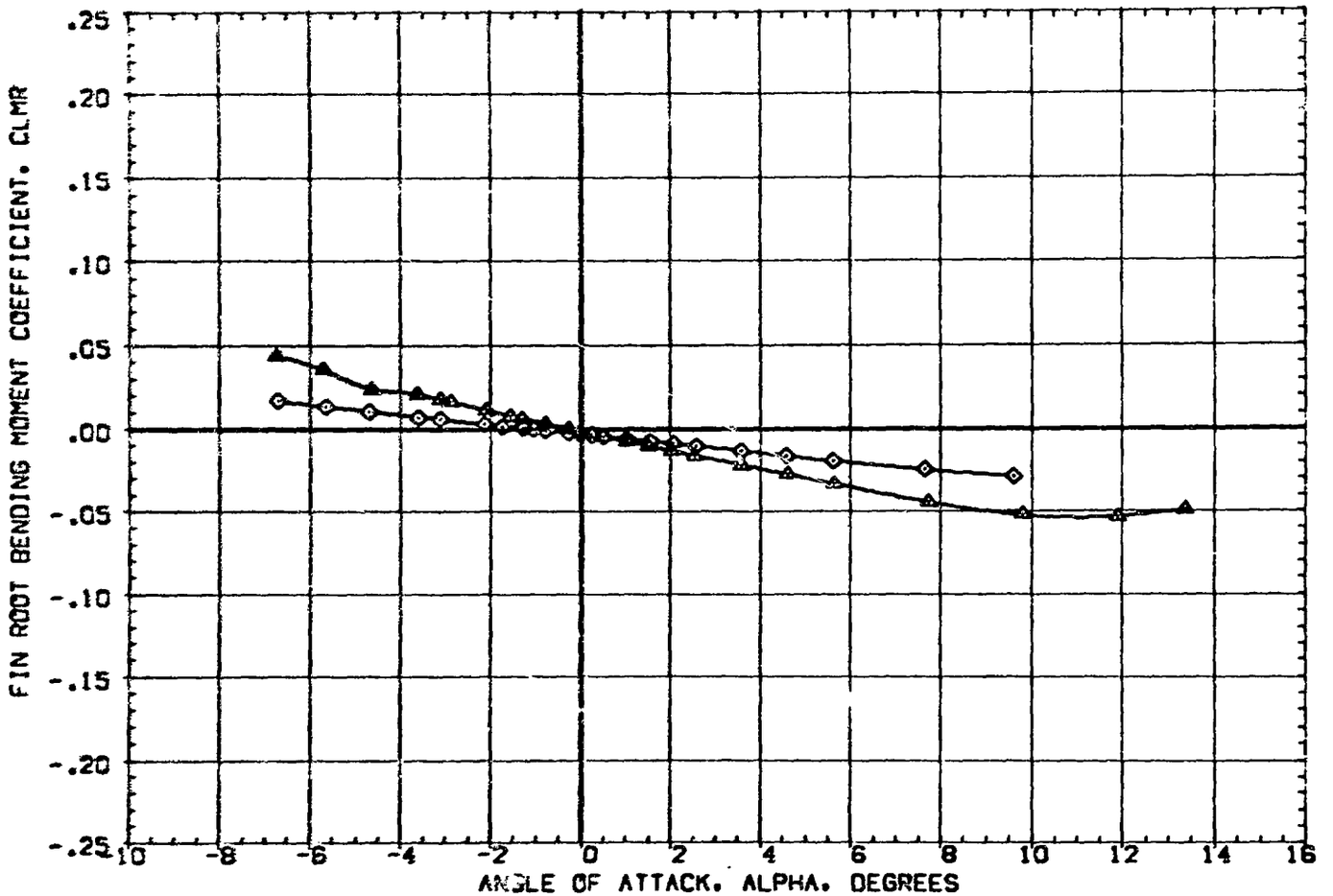


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3101	○	DATA NOT AVAILABLE	.0000	-10.0000	1.750	1.000
(C)3105	□	DATA NOT AVAILABLE	.0000	.0000	1.750	1.000
(C)3114	◇	AEDC TC 273 YRAPAROUND FIN, BIFI	.0000	22.5000	1.750	1.000
(C)3118	◇	AEDC TC 273 YRAPAROUND FIN, BIFI	.0000	45.0000	1.750	1.000
(C)3121	△	DATA NOT AVAILABLE	.0000	90.0000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



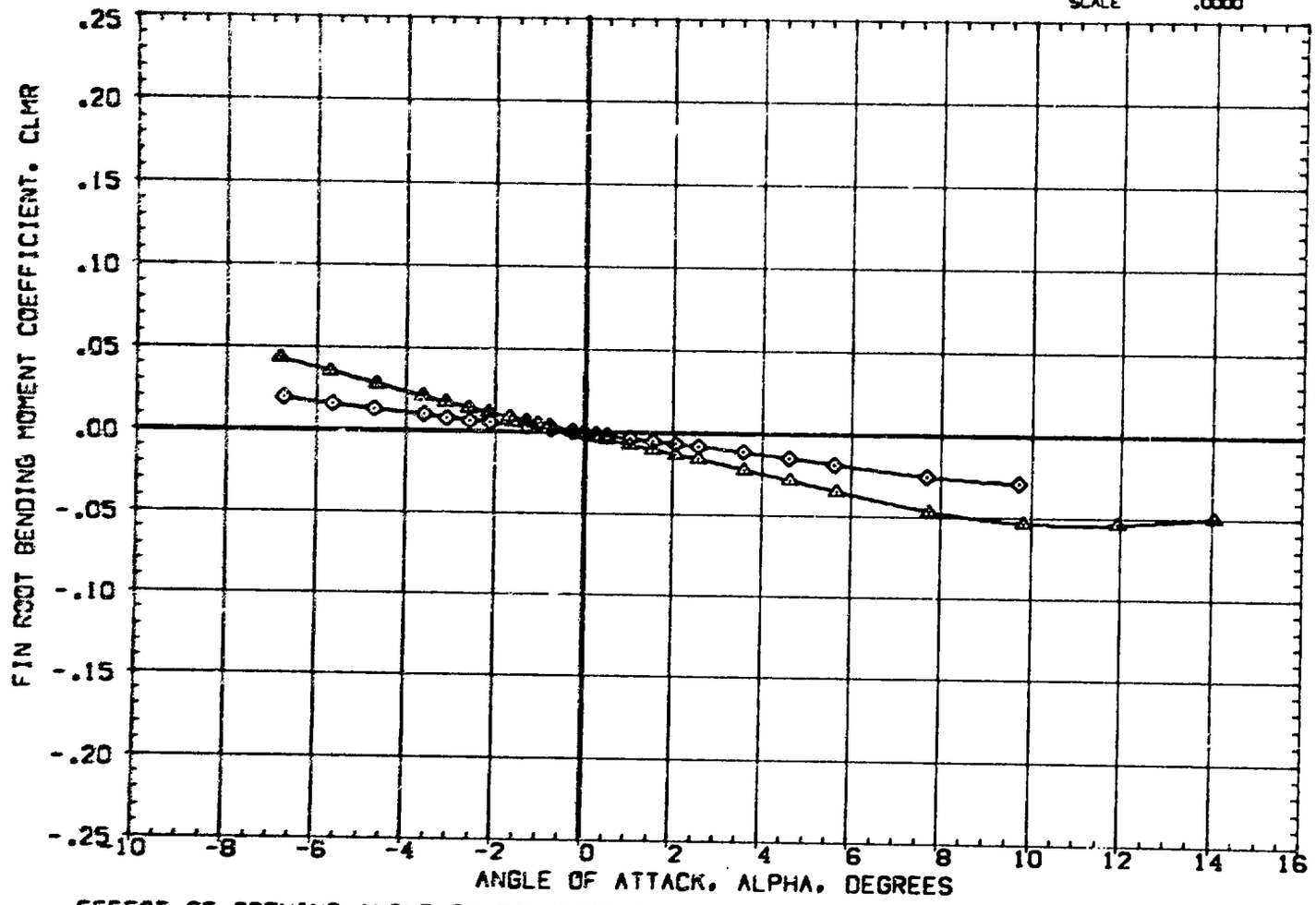
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3101]	○	DATA NOT AVAILABLE
[CX3105]	□	DATA NOT AVAILABLE
[CX3114]	◇	AEDC TC 273 WRAPAROUND FIN, BIF
[CX3118]	△	AEDC TC 273 WRAPAROUND FIN, BIF
[CX3122]	▽	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
.000	-10.000	1.750	1.000
.000	.000	1.750	1.000
.000	22.500	1.750	1.000
.000	45.000	1.750	1.000
.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	10.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



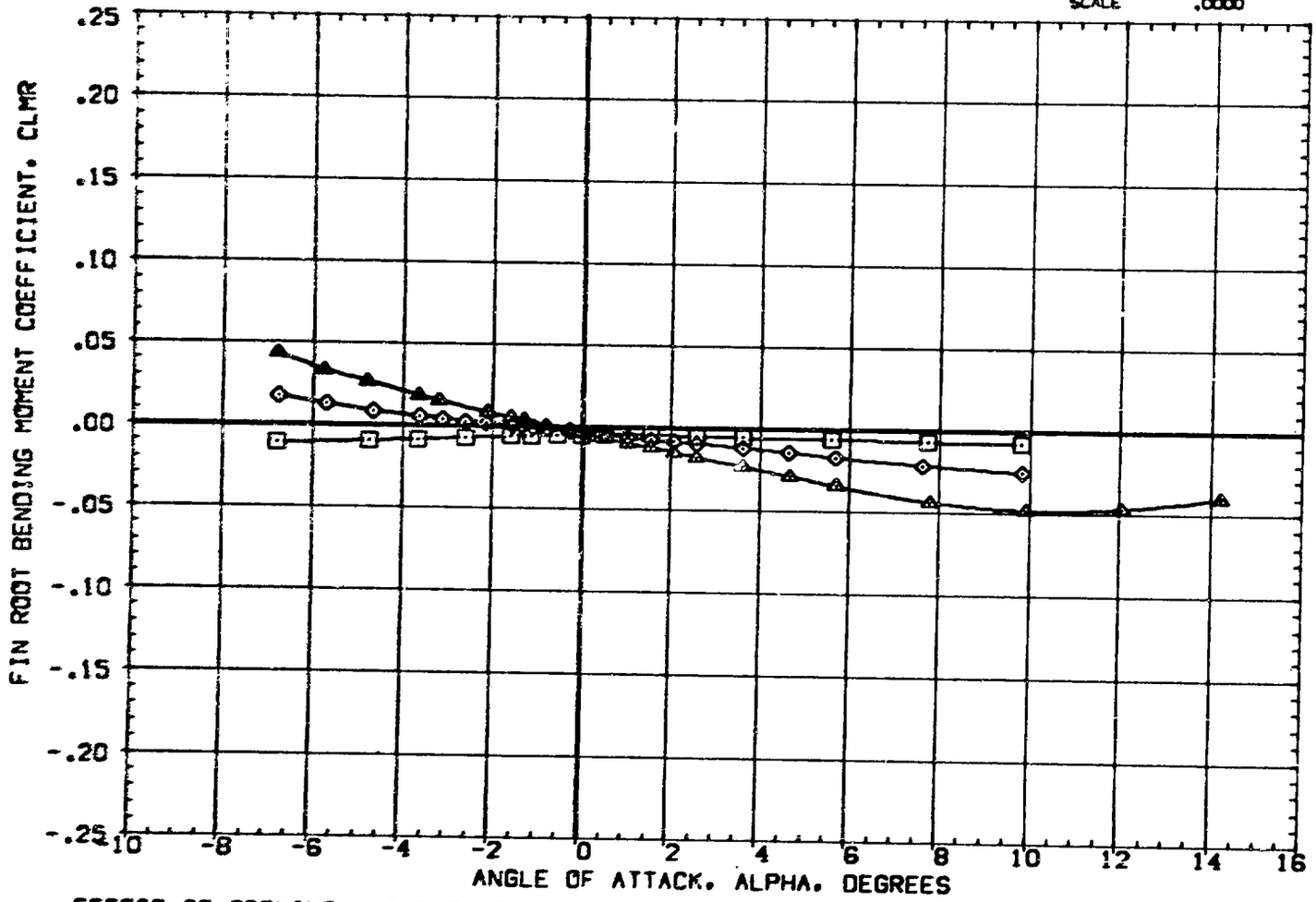
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C×3101)	○	DATA NOT AVAILABLE
(C×3105)	□	AEDC TC 273 WRAPAROUND FIN, BIF1
(C×3104)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(C×3108)	△	AEDC TC 273 WRAPAROUND FIN, BIF1
(C×3122)	▽	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
.000	-10.000	1.750	1.000
.000	.000	1.750	1.000
.000	22.500	1.750	1.000
.000	45.000	1.750	1.000
.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

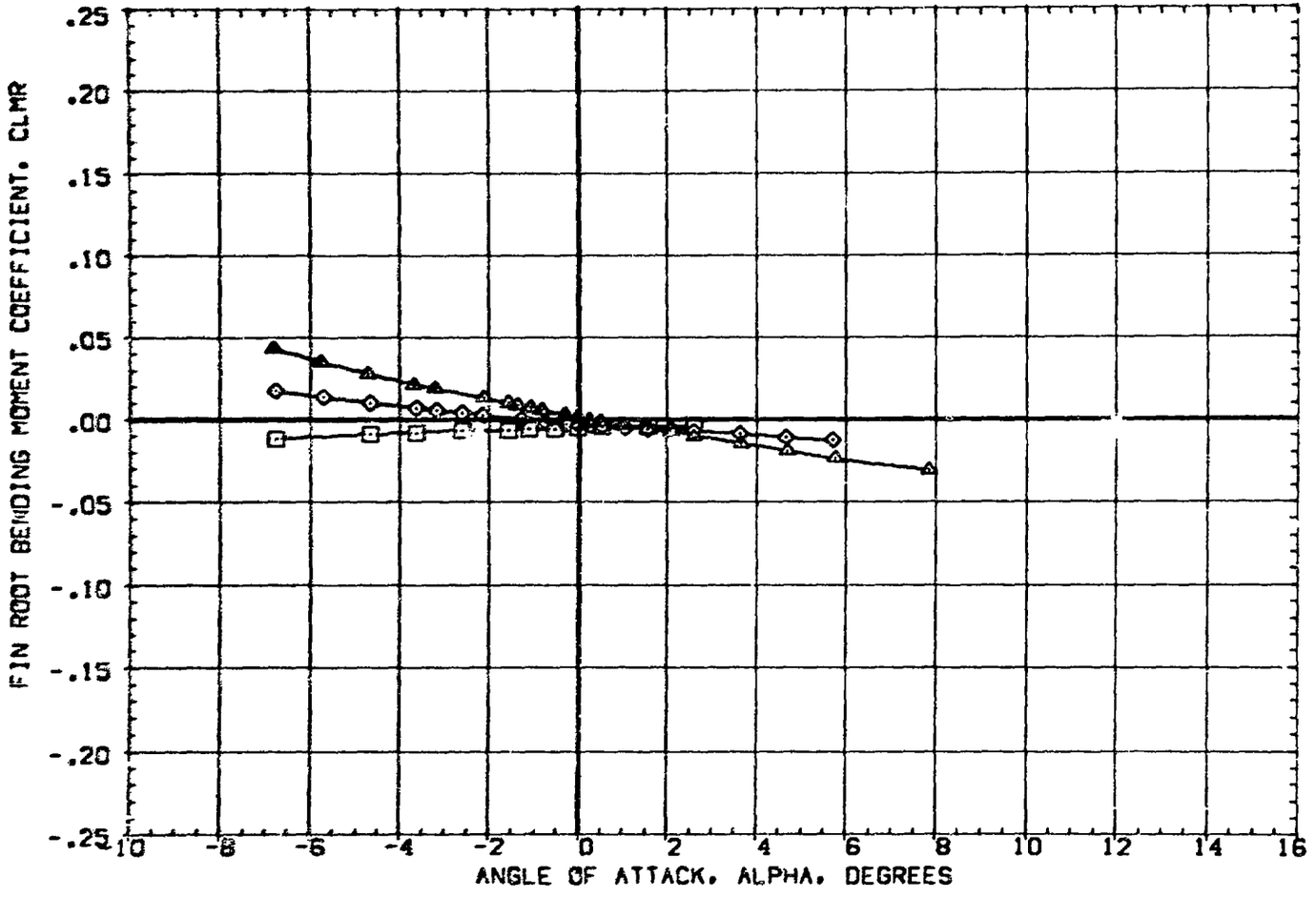


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(!)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C×3T01)	□	DATA NOT AVAILABLE	.000	-10.000	1.750	1.000
(C×3T05)	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	.000	1.750	1.000
(C×3T14)	△	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	22.360	1.750	1.000
(C×3T18)	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	45.000	1.750	1.000
(C×3T22)	△	DATA NOT AVAILABLE	.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	10.1000	SQ.IN.
LREF	7.0000	INCHES
BREF	2.8400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

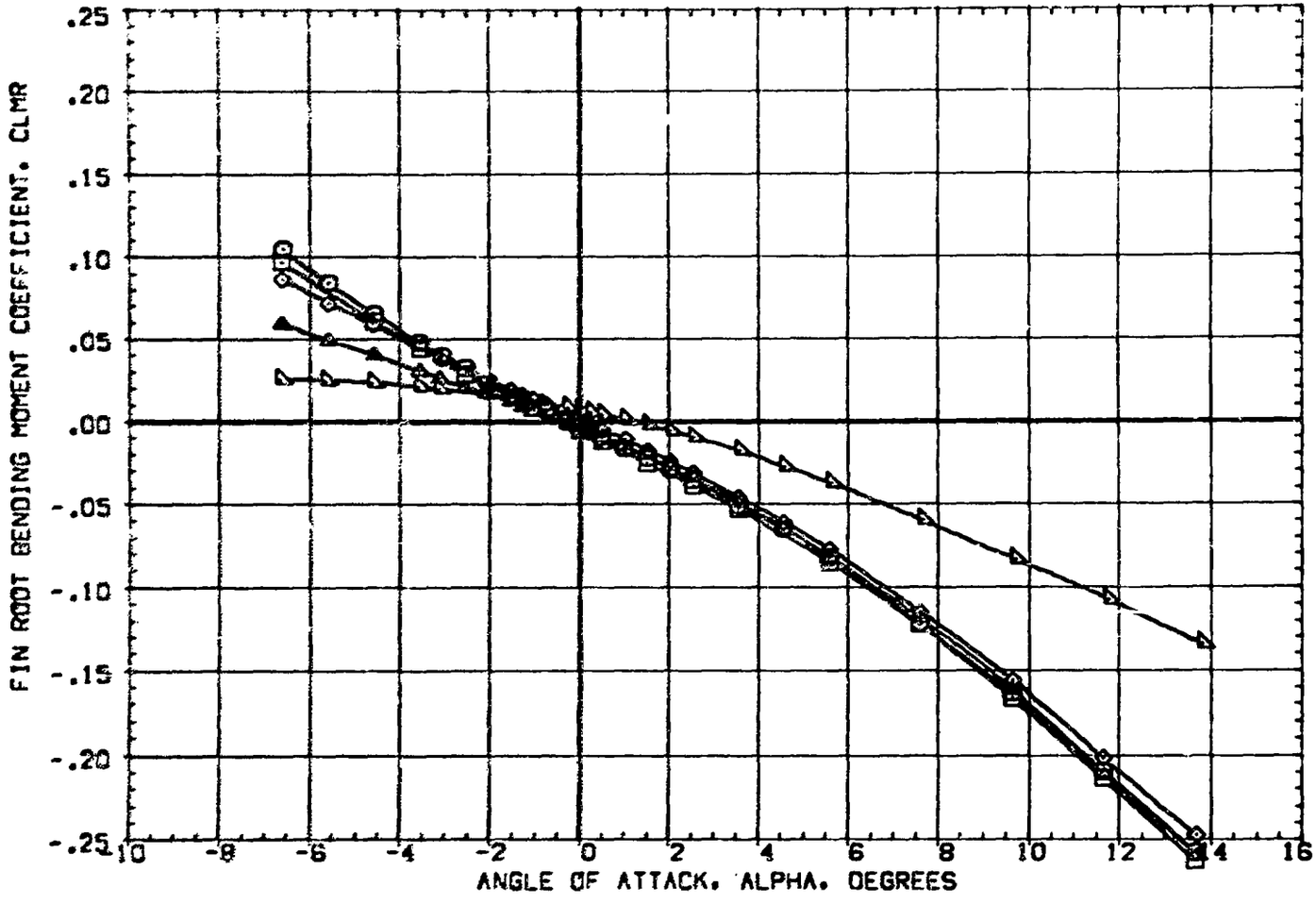


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

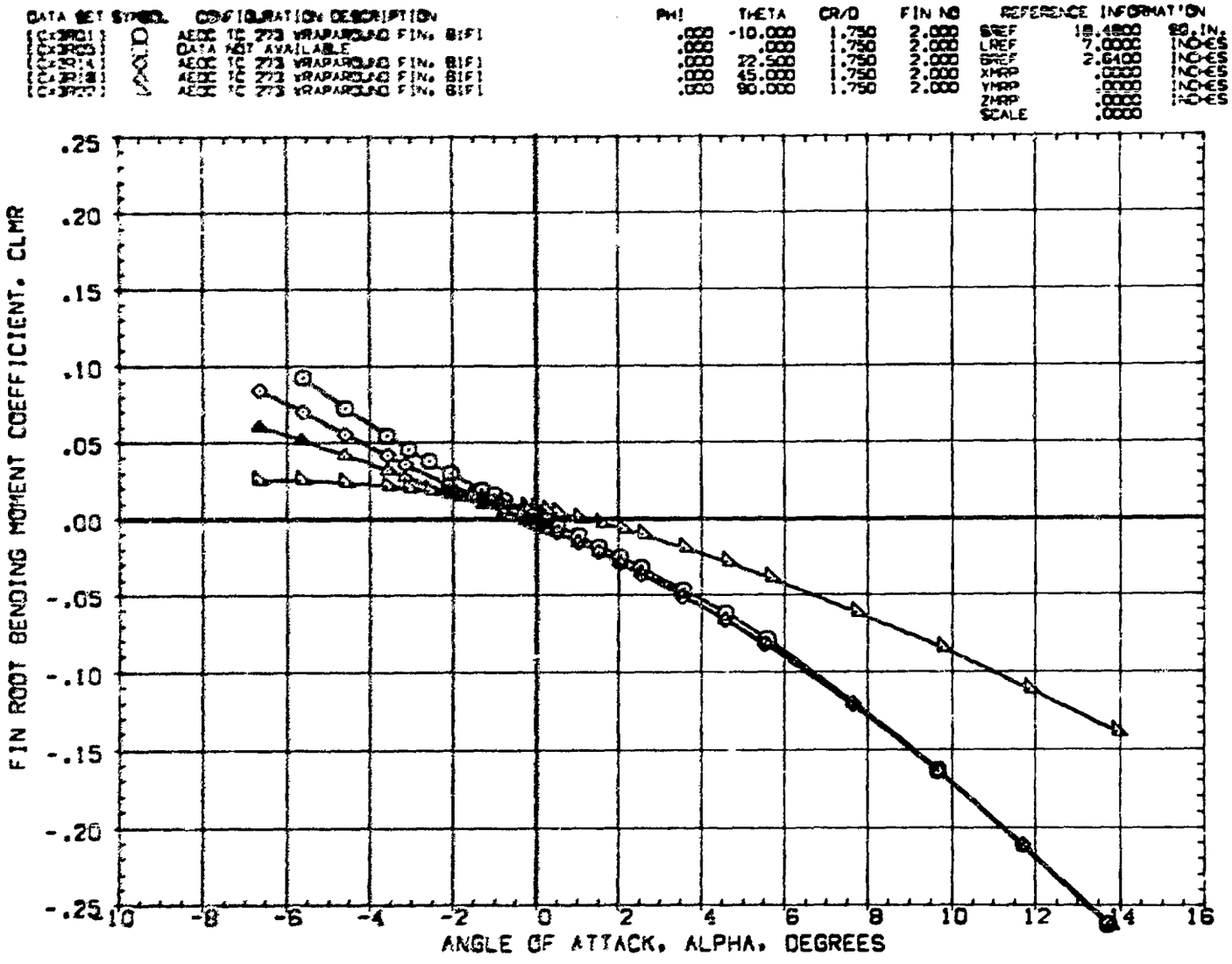
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	-10.000	1.750	2.000
[illegible]	○	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	2.000
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	2.000
[illegible]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	2.000
[illegible]	▽	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

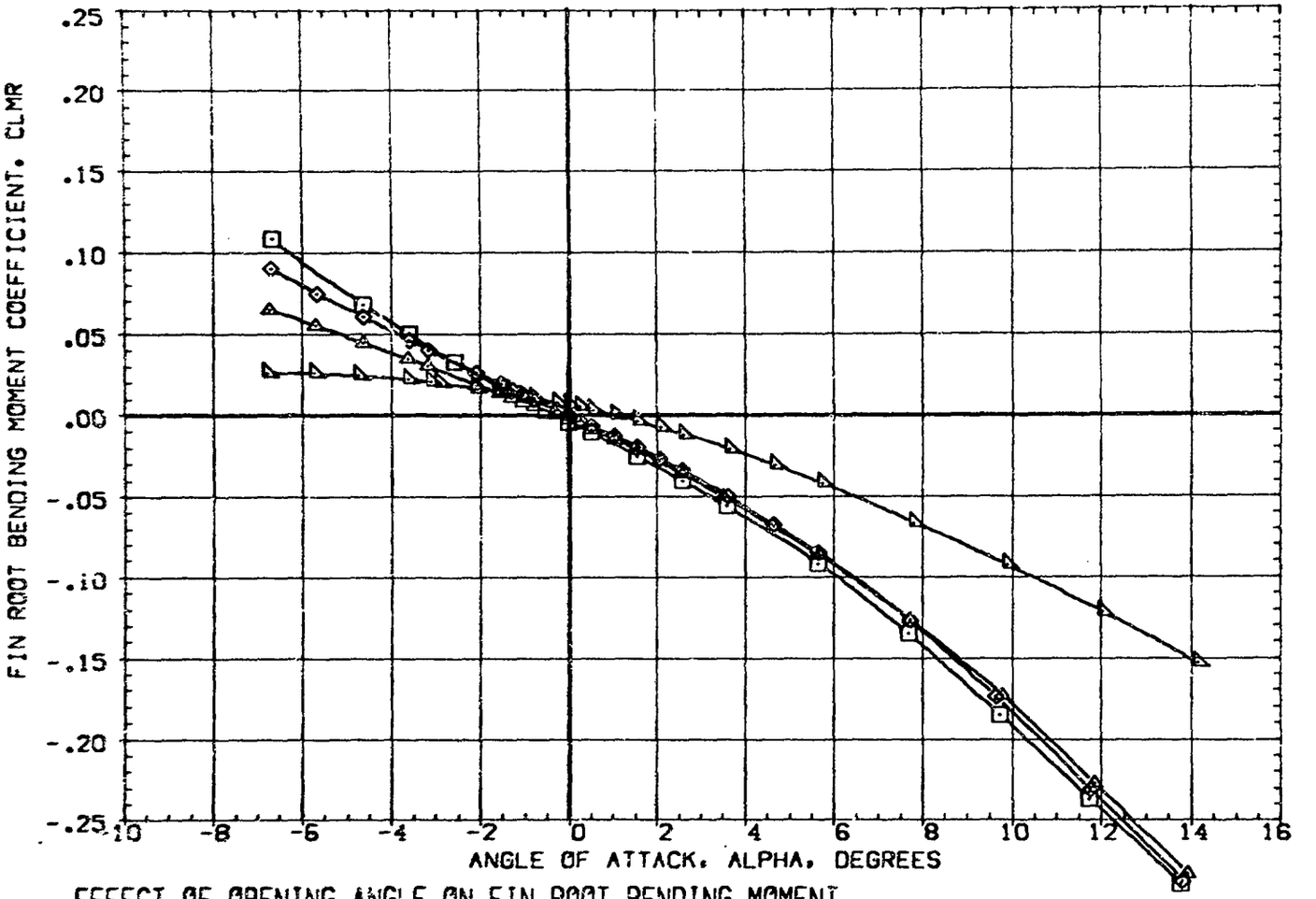


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

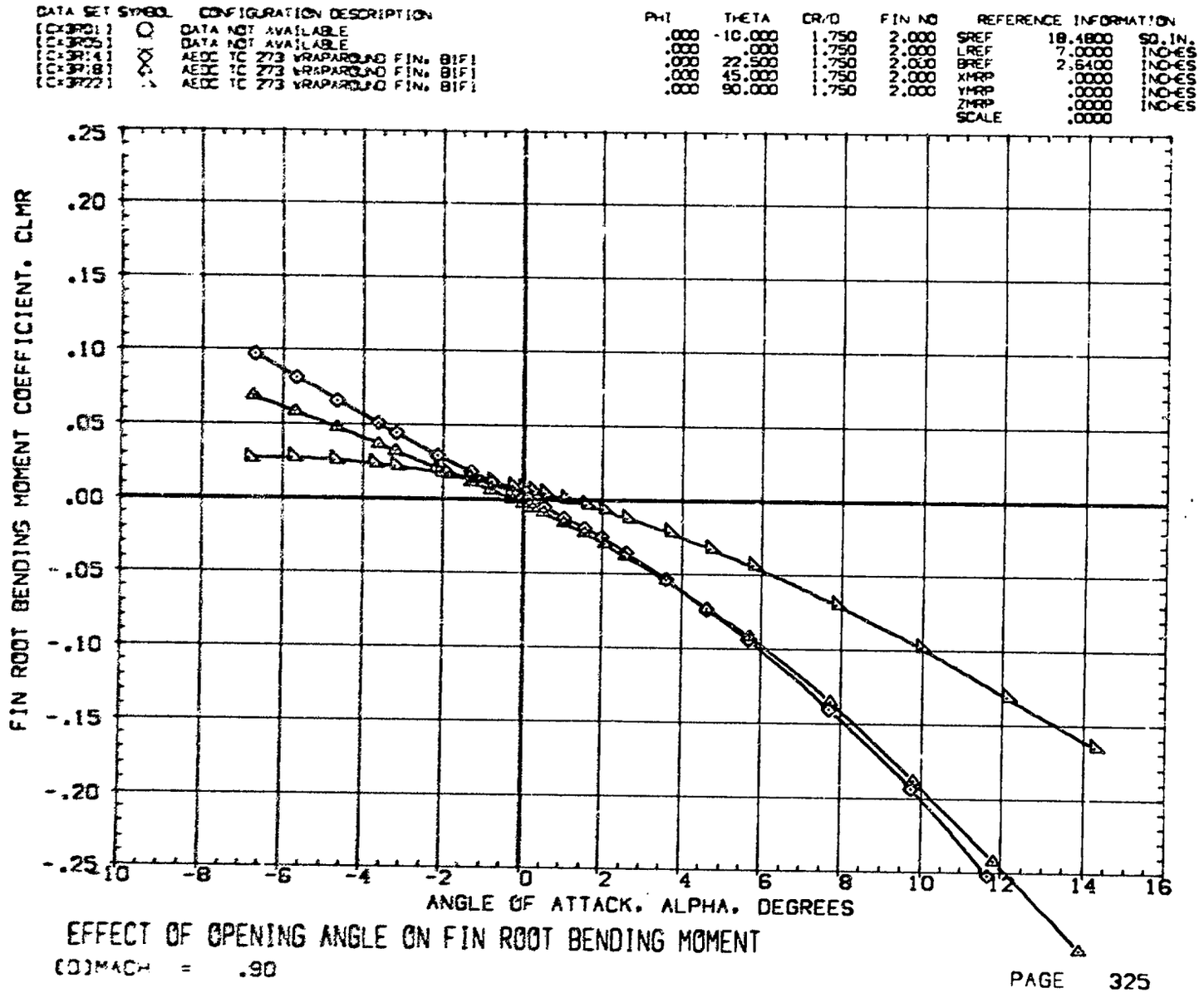
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3R01]	○	DATA NOT AVAILABLE				
[CX3R05]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	-10.000	1.750	2.000
[CX3R14]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	2.000
[CX3R18]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	2.000
[CX3R22]	◁	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	2.000
			.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

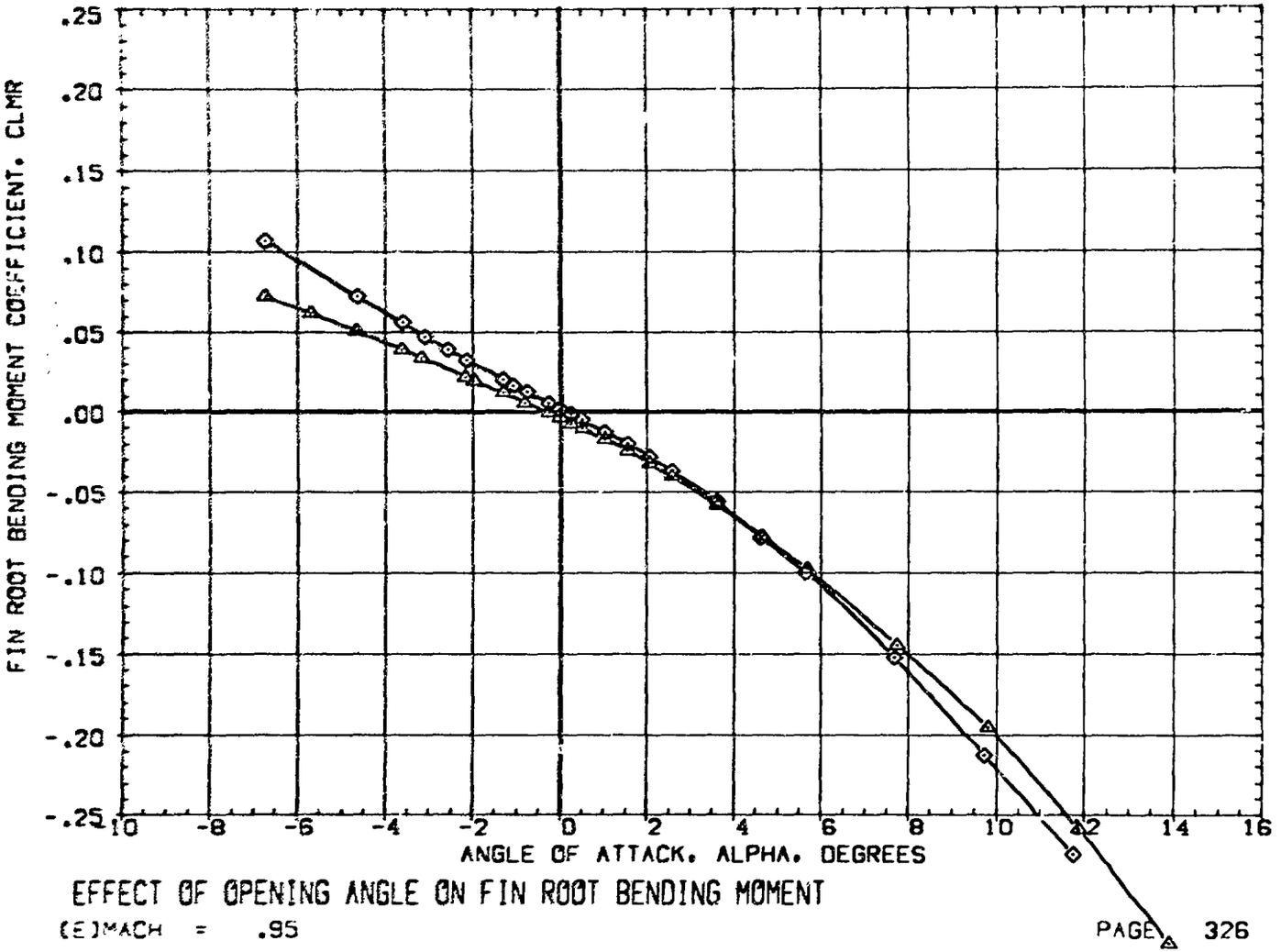


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[O]MACH = .90

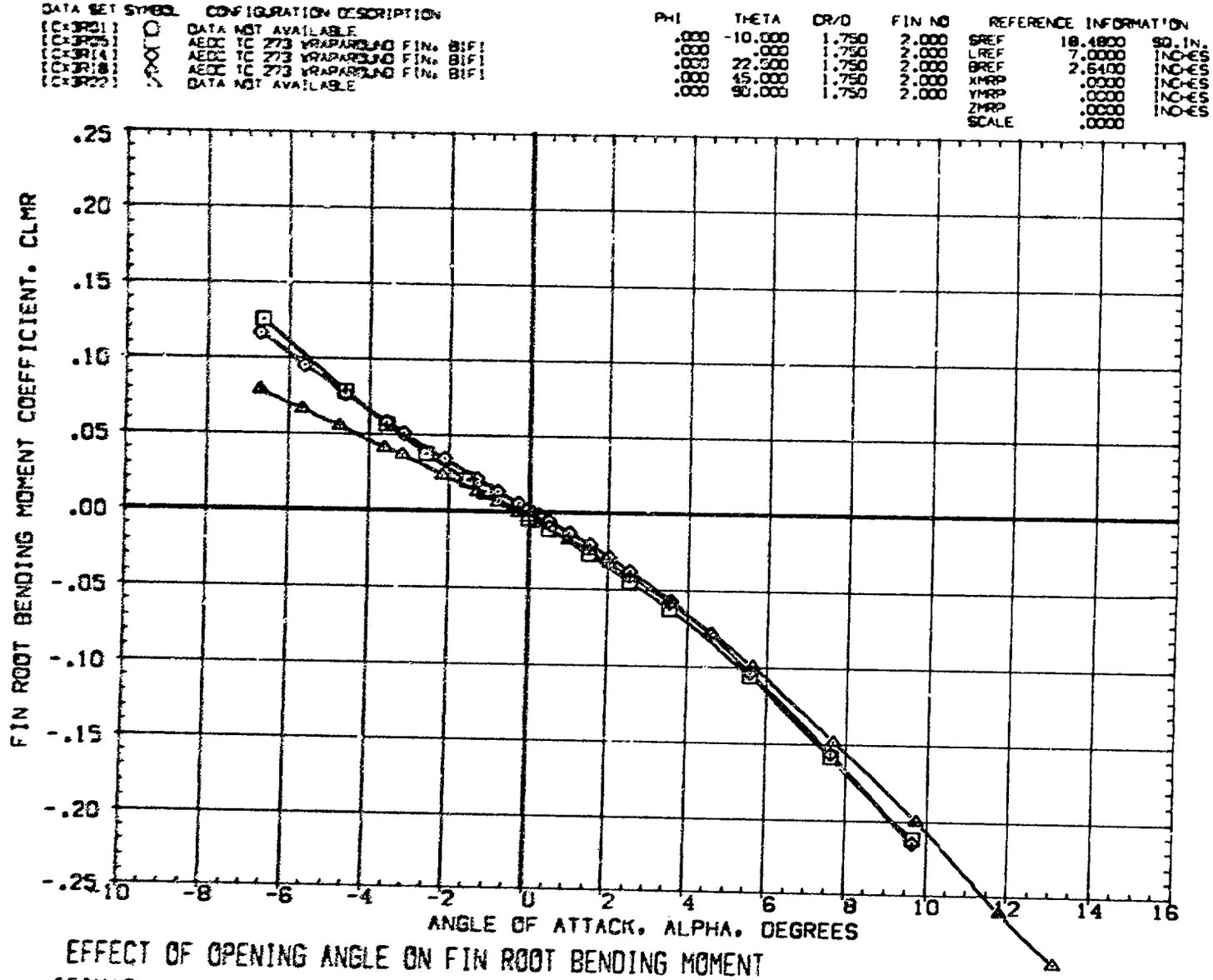
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	○	DATA NOT AVAILABLE	.000	-10.000	1.750	2.000
[illegible]	□	DATA NOT AVAILABLE	.000	.000	1.750	2.000
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	2.000
[illegible]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	2.000
[illegible]	△	DATA NOT AVAILABLE	.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

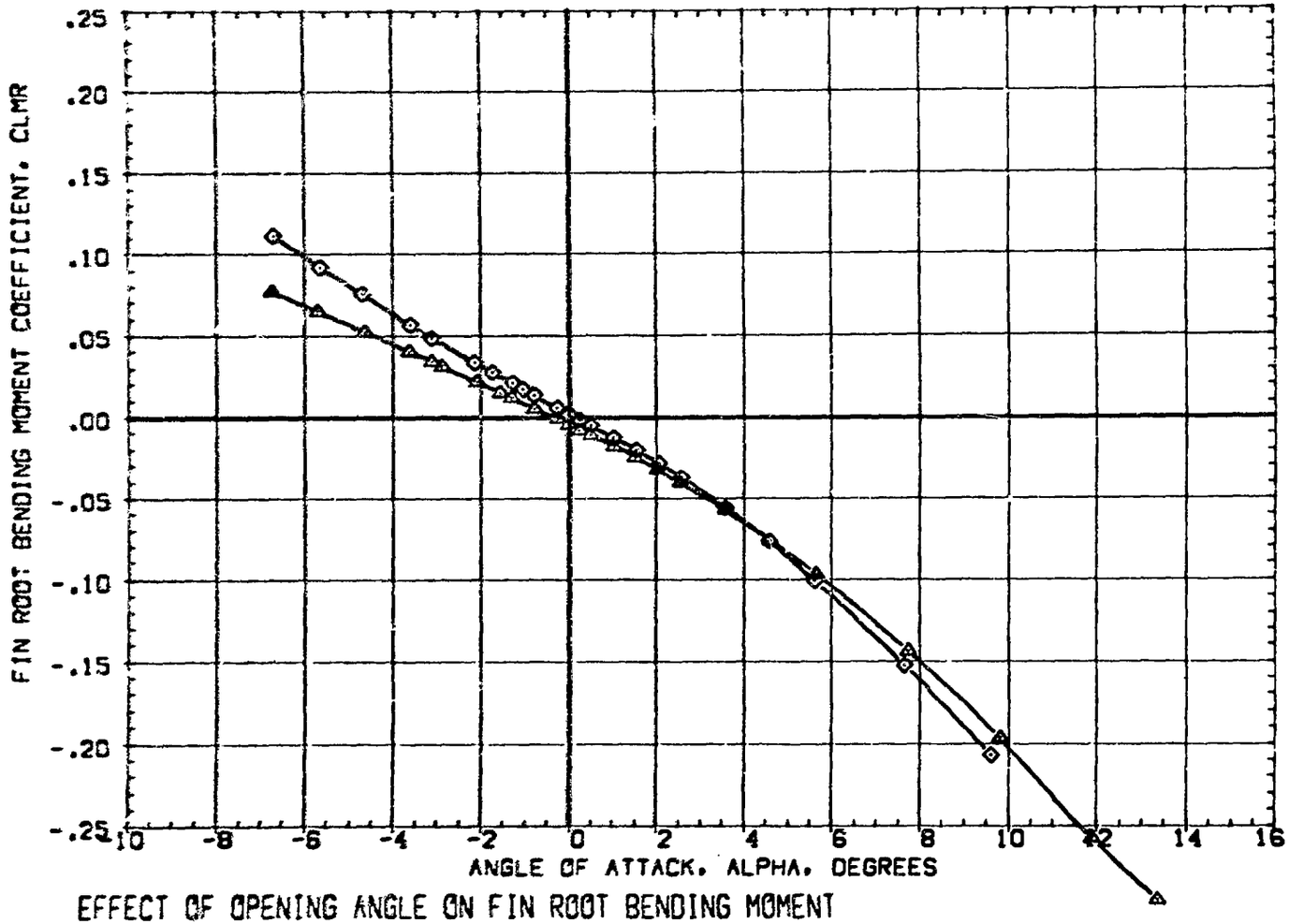


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C:3RC1]	○	DATA NOT AVAILABLE	.000	-10.000	1.750	2.000
[C:3RC5]	□	DATA NOT AVAILABLE	.000	.000	1.750	2.000
[C:3R16]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	2.000
[C:3R18]	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	2.000
[C:3R22]	△	DATA NOT AVAILABLE	.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

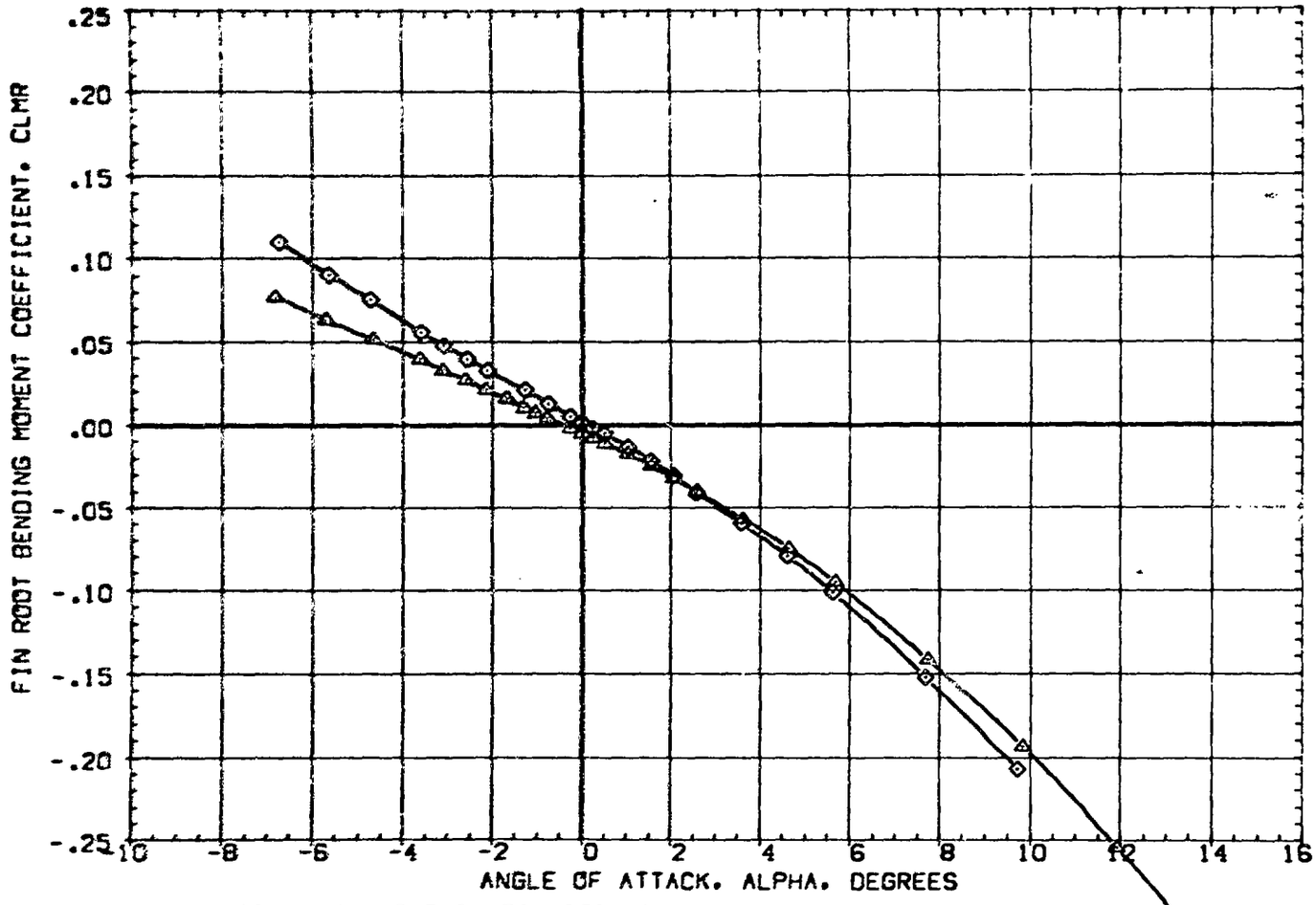


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	○	DATA NOT AVAILABLE	.000	-10.000	1.750	2.000
[illegible]	□	DATA NOT AVAILABLE	.000	.000	1.750	2.000
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	2.000
[illegible]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	2.000
[illegible]	▽	DATA NOT AVAILABLE	.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

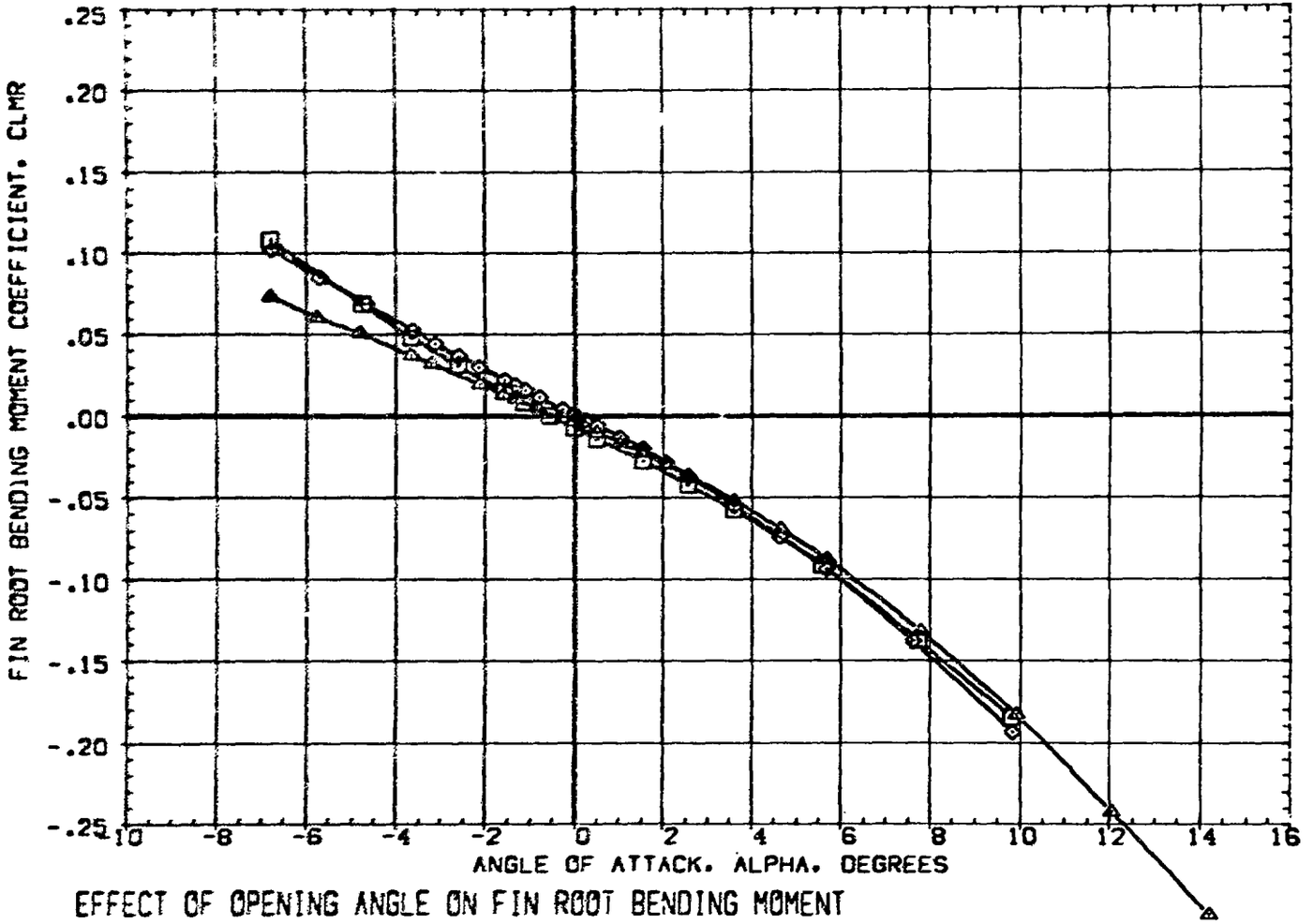


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C=3903.1]	○	DATA NOT AVAILABLE	.000	-10.000	1.750	2.000
[C=3905.]		AERO TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	2.000
[C=3914.]	◇	AERO TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	2.000
[C=3918.]	☒	AERO TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	2.000
[C=3922.]	△	DATA NOT AVAILABLE	.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

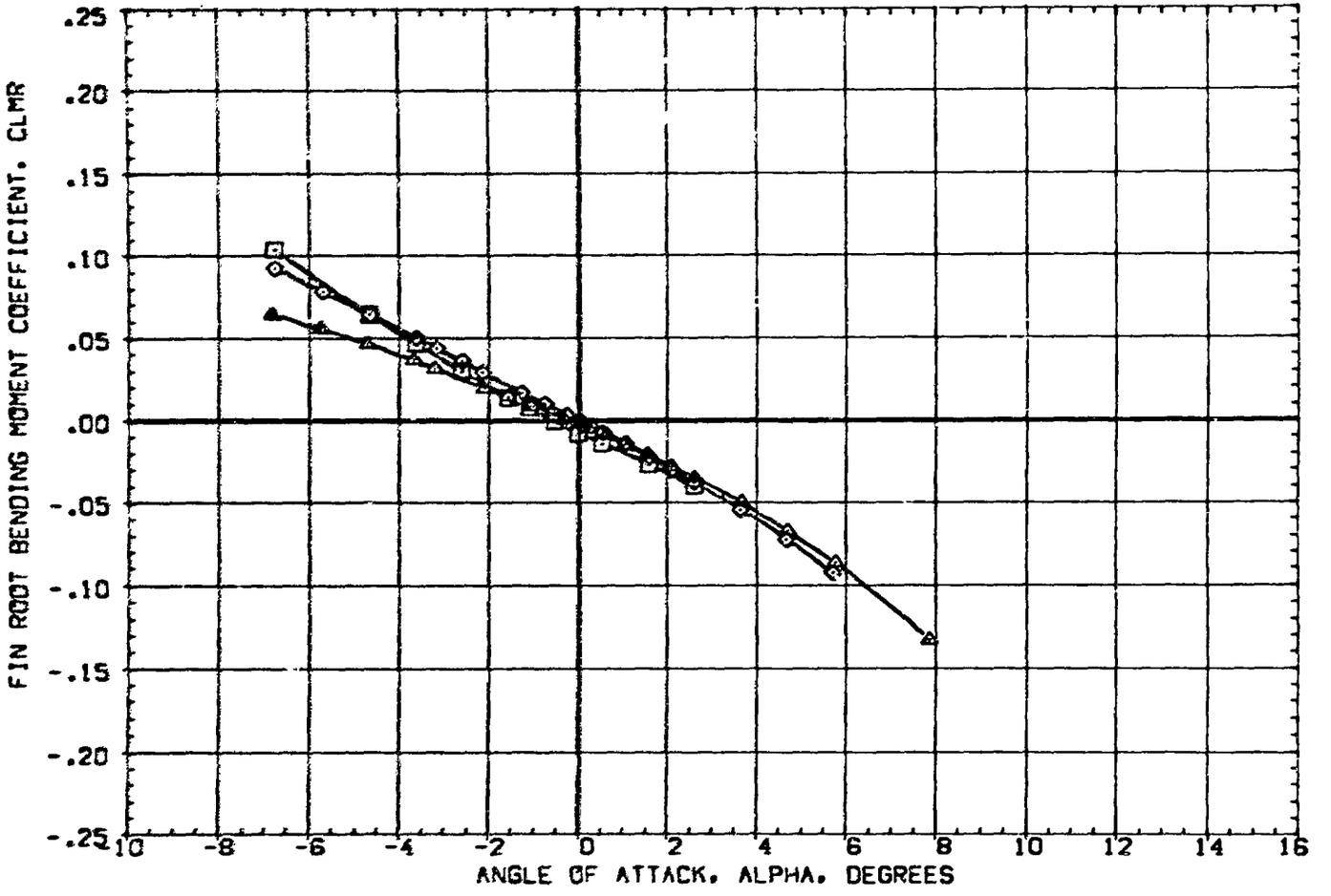


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(:)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3801	□	DATA NOT AVAILABLE	.000	-10.000	1.750	2.000
(C)3805	◇	AERO TC 273 W/RAPAROUND FIN, BIF	.000	.000	1.750	2.000
(C)3814	▷	AERO TC 273 W/RAPAROUND FIN, BIF	.000	22.500	1.750	2.000
(C)3818	△	AERO TC 273 W/RAPAROUND FIN, BIF	.000	45.000	1.750	2.000
(C)3822	▽	DATA NOT AVAILABLE	.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

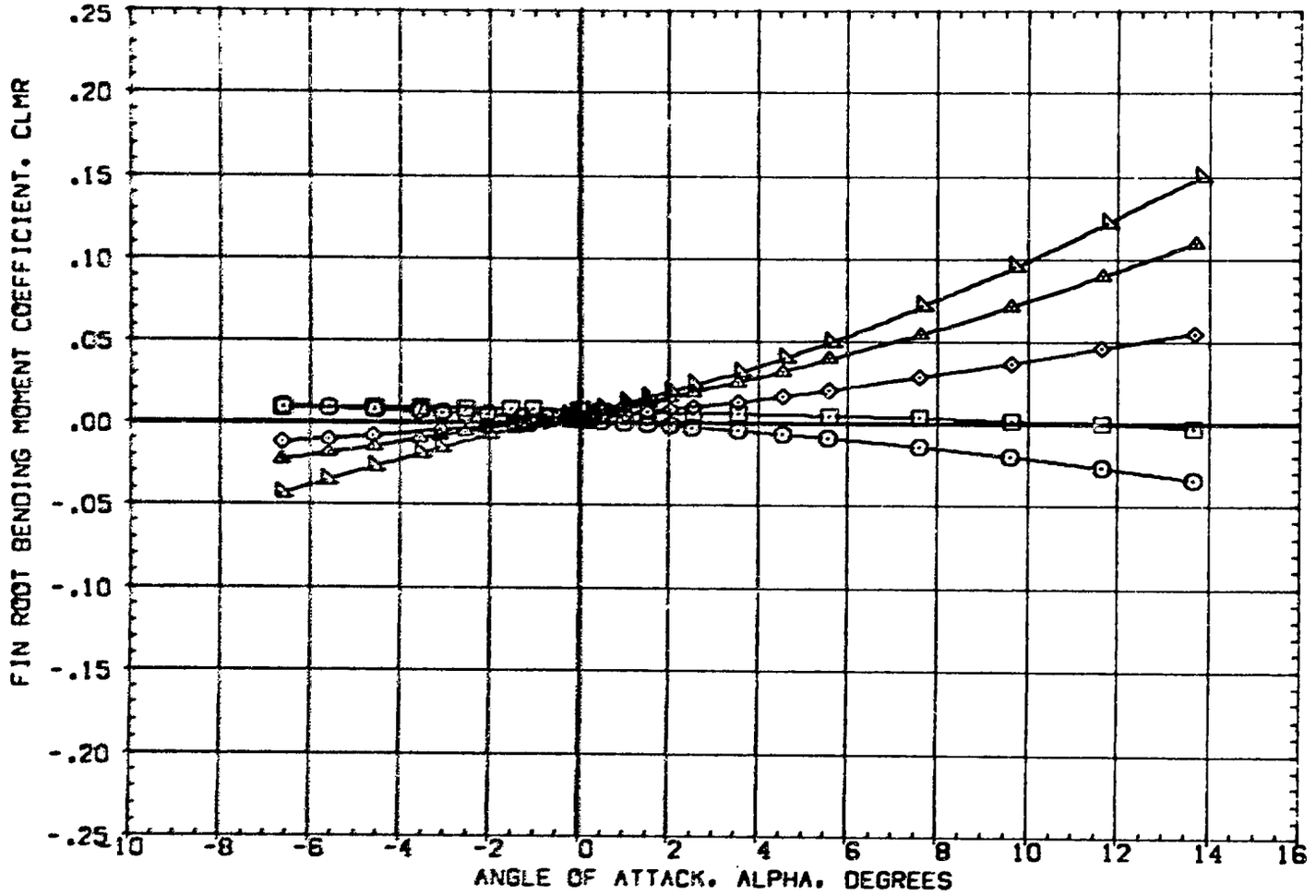


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	○	AERE IC 273 VRAPAROUND FIN, BIF1	.000	-10.000	1.750	3.000
[illegible]	□	AERE IC 273 VRAPAROUND FIN, BIF1	.000	.000	1.750	3.000
[illegible]	◇	AERE IC 273 VRAPAROUND FIN, BIF1	.000	22.500	1.750	3.000
[illegible]	△	AERE IC 273 VRAPAROUND FIN, BIF1	.000	45.000	1.750	3.000
[illegible]	▽	AERE IC 273 VRAPAROUND FIN, BIF1	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

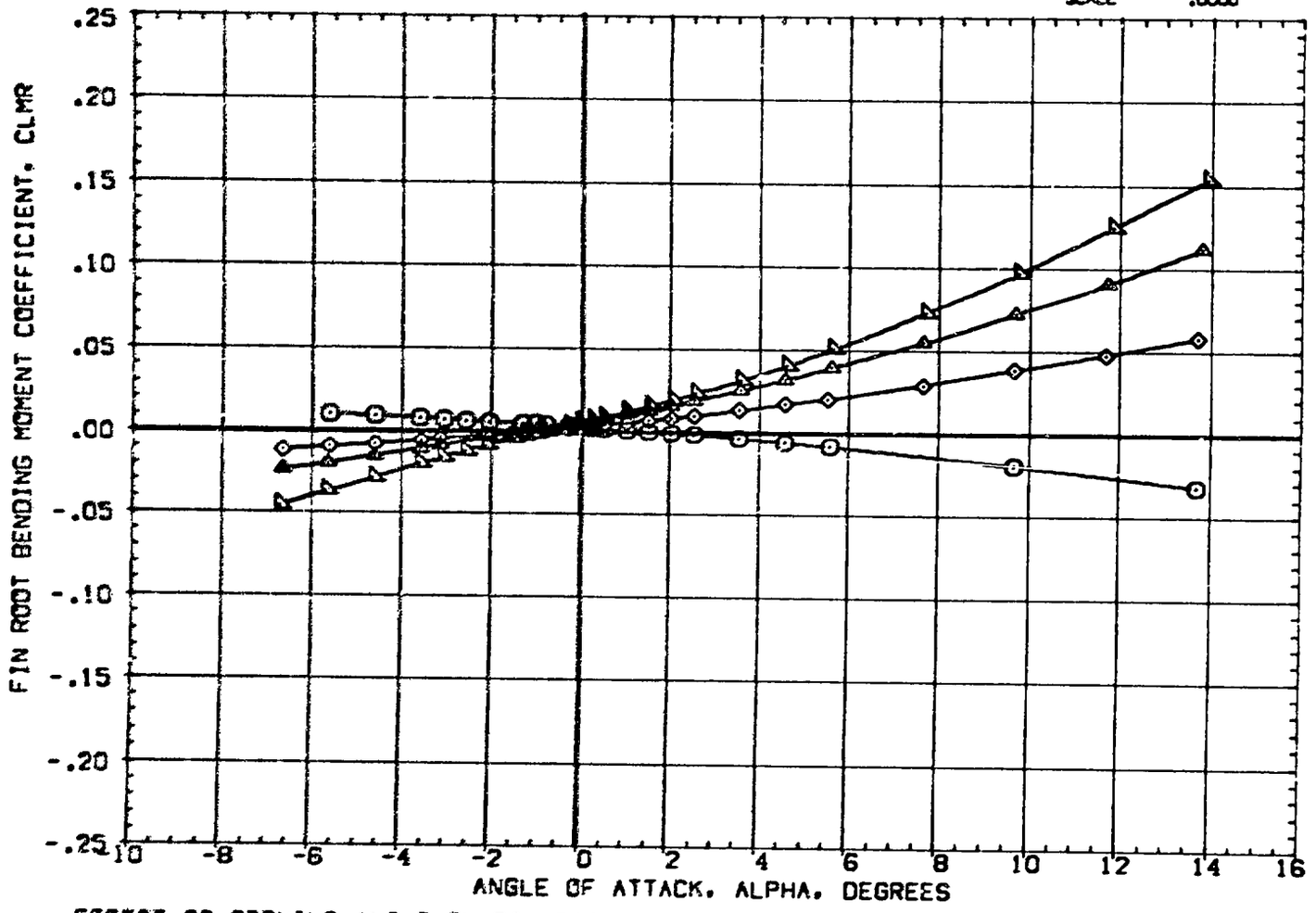


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C=3,01)		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	-10.000	1.750	3.000
(C=3,05)		DATA NOT AVAILABLE	.000	.000	1.750	3.000
(C=3,14)		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	3.000
(C=3,18)		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	3.000
(C=3,22)		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

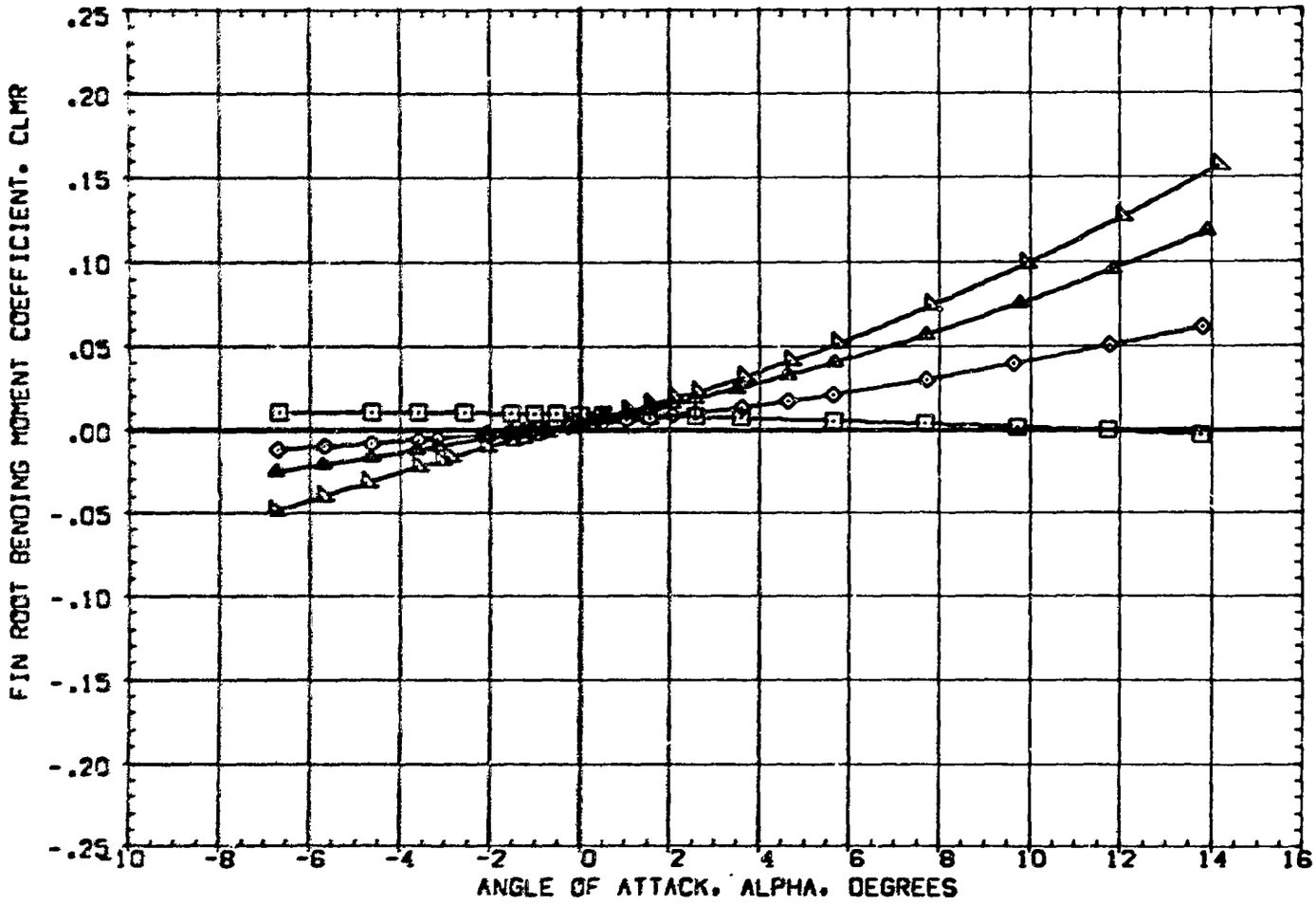


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)1.01	□	DATA NOT AVAILABLE				
(C)1.05	◇	AEDC TC 273 WRAPAROUND FIN, BIF	.000	-10.000	1.750	3.000
(C)1.11	◇	AEDC TC 273 WRAPAROUND FIN, BIF	.000	.000	1.750	3.000
(C)1.14	◇	AEDC TC 273 WRAPAROUND FIN, BIF	.000	22.500	1.750	3.000
(C)1.18	◇	AEDC TC 273 WRAPAROUND FIN, BIF	.000	45.000	1.750	3.000
(C)1.22	△	AEDC TC 273 WRAPAROUND FIN, BIF	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	19.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

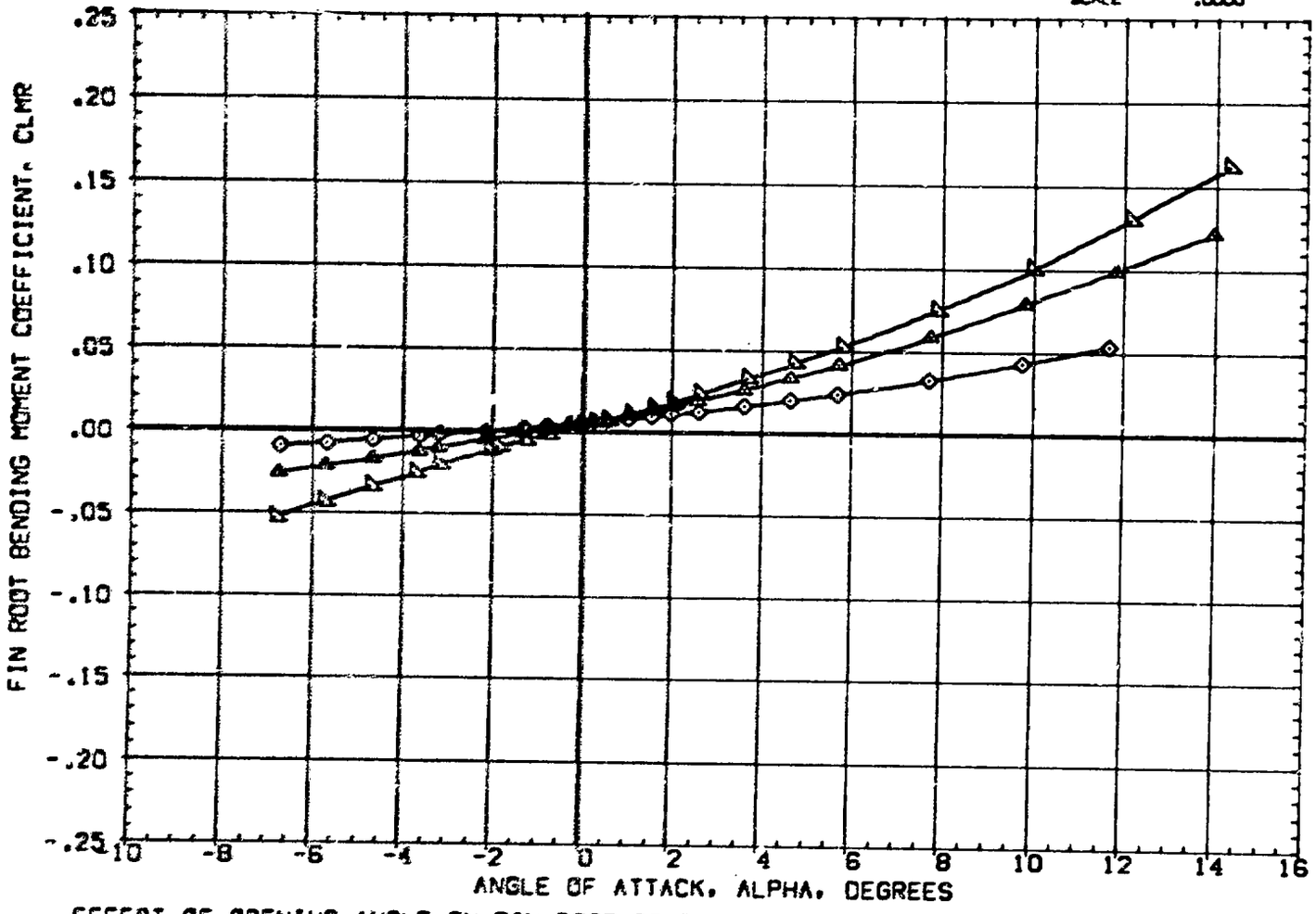


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]		DATA NOT AVAILABLE	.000	-10.000	1.750	3.000
[illegible]		DATA NOT AVAILABLE	.000	.000	1.750	3.000
[illegible]		AERO [illegible] 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	3.000
[illegible]		AERO [illegible] 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	3.000
[illegible]		AERO [illegible] 273 WRAPAROUND FIN, BIF1	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

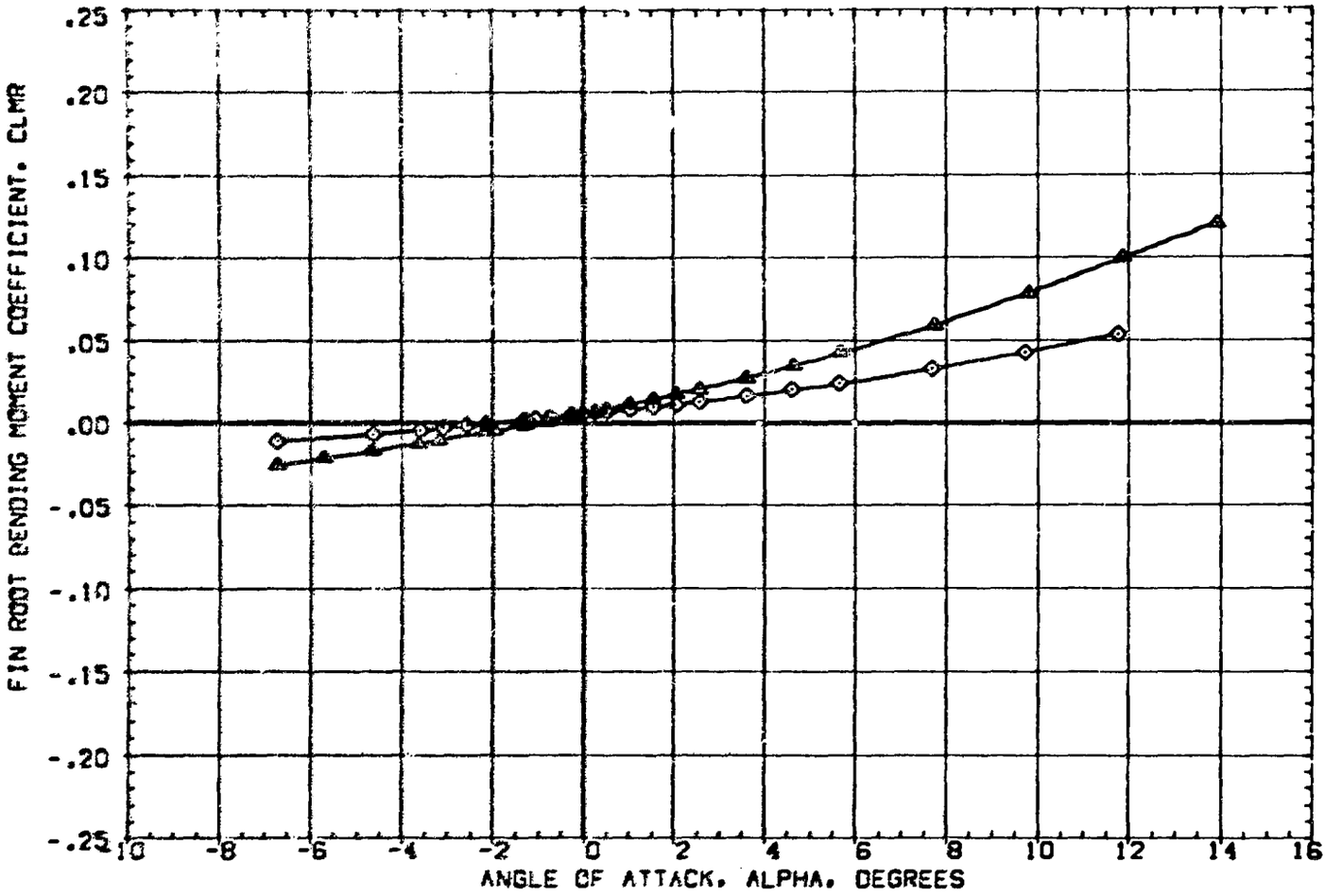


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C=3,C1)	O	DATA NOT AVAILABLE	.000	-10.000	1.750	3.000
(C=3,C5)		DATA NOT AVAILABLE	.000	.000	1.750	3.000
(C=3,C4)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	3.000
(C=3,C8)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	3.000
(C=3,72)	△	DATA NOT AVAILABLE	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

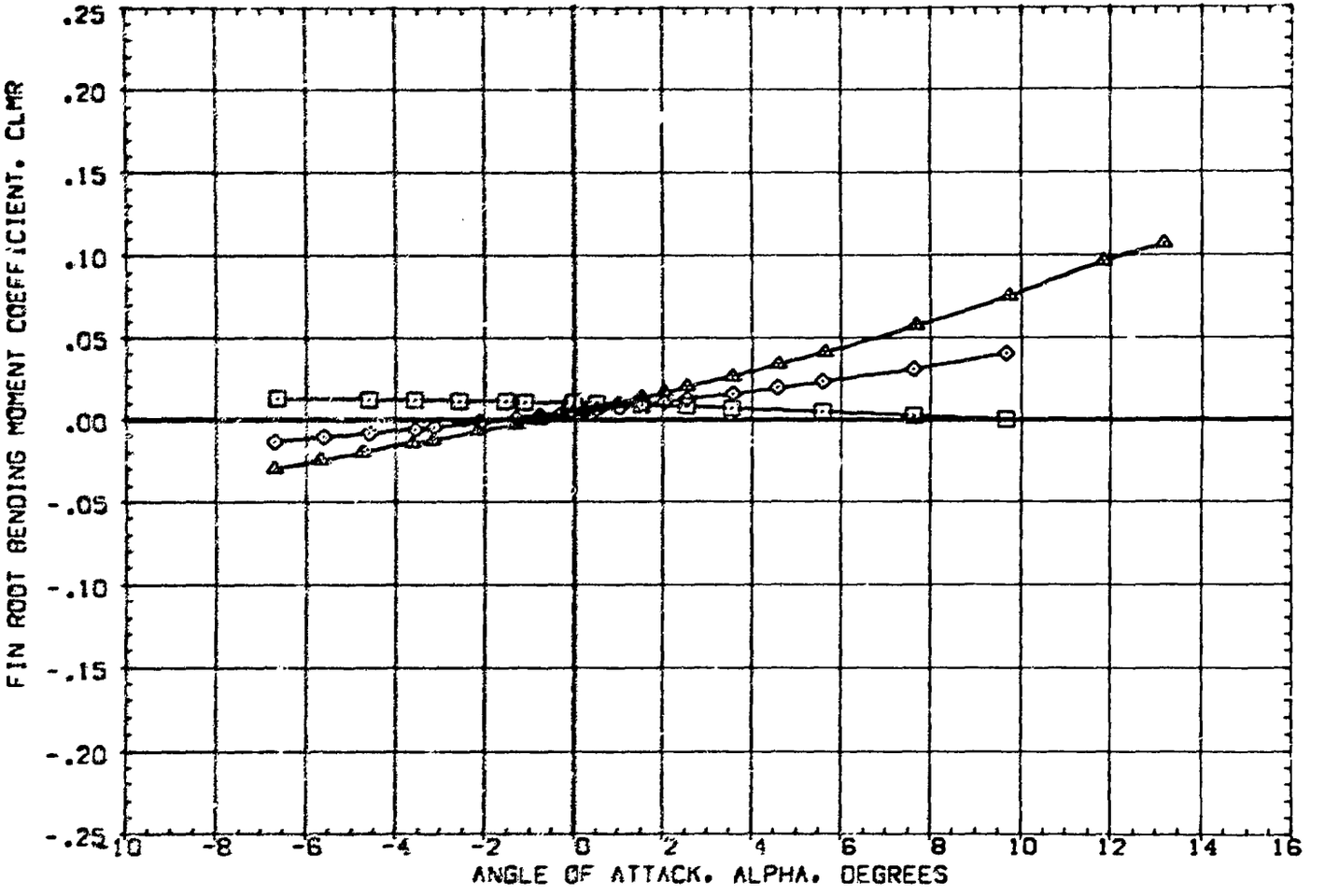


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3,01)		DATA NOT AVAILABLE				
(C)3,05)	◇	AERO TC 273 WRAPAROUND FIN, BIF1	.000	-10.000	1.750	3.000
(C)3,14)	◇	AERO TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	3.000
(C)3,18)	△	AERO TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	3.000
(C)3,27)		DATA NOT AVAILABLE	.000	45.000	1.750	3.000
			.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

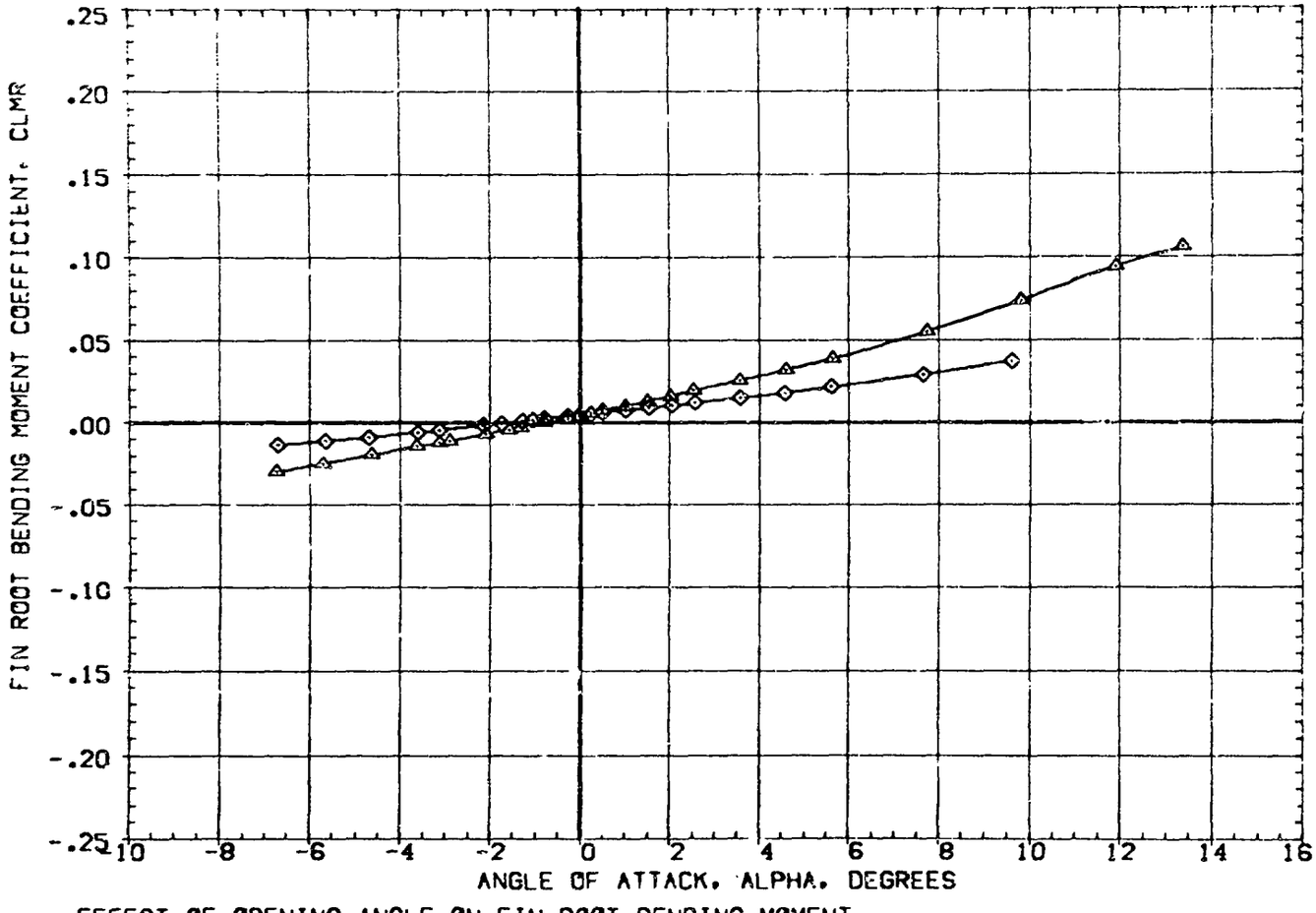


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3001)	□	DATA NOT AVAILABLE	.000	-10.000	1.750	3.000
(CX3005)		DATA NOT AVAILABLE	.000	.000	1.750	3.000
(CX3014)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	3.000
(CX3018)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	3.000
(CX3022)		DATA NOT AVAILABLE	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

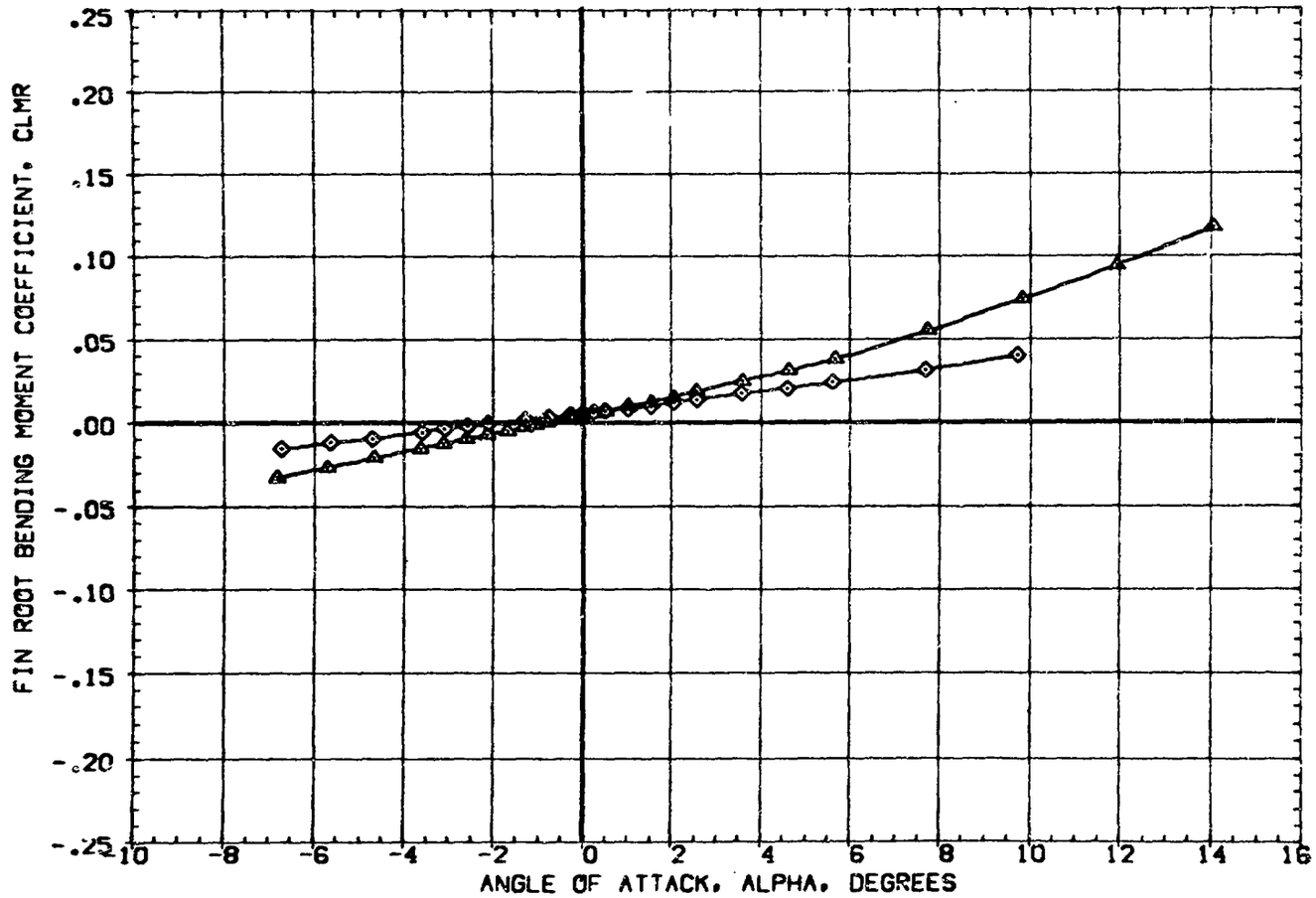


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3J01)	○	DATA NOT AVAILABLE	.000	-10.000	1.750	3.000
(CX3J05)	□	DATA NOT AVAILABLE	.000	.000	1.750	3.000
(CX3J14)	◇	AEDC TC 273 WRAPAROUND FIN, BIFI	.000	22.500	1.750	3.000
(CX3J18)	⋈	AEDC TC 273 WRAPAROUND FIN, BIFI	.000	45.000	1.750	3.000
(CX3J22)	△	DATA NOT AVAILABLE	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4600	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

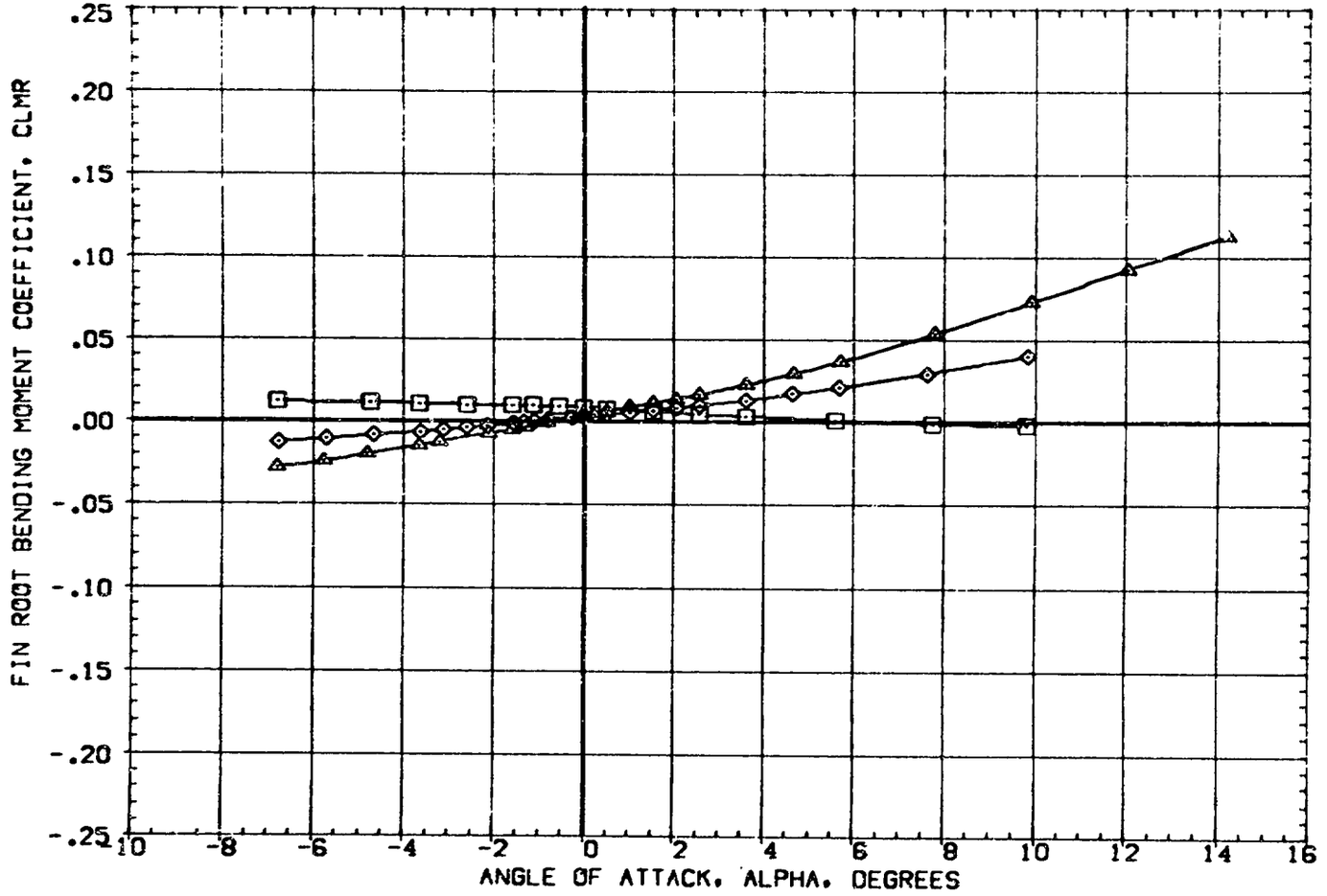


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(Cx3,01)	○	DATA NOT AVAILABLE	.000	-10.000	1.750	3.000
(Cx3,05)	□	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	.000	1.750	3.000
(Cx3,14)	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	22.500	1.750	3.000
(Cx3,18)	△	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	45.000	1.750	3.000
(Cx3,22)	▽	DATA NOT AVAILABLE	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

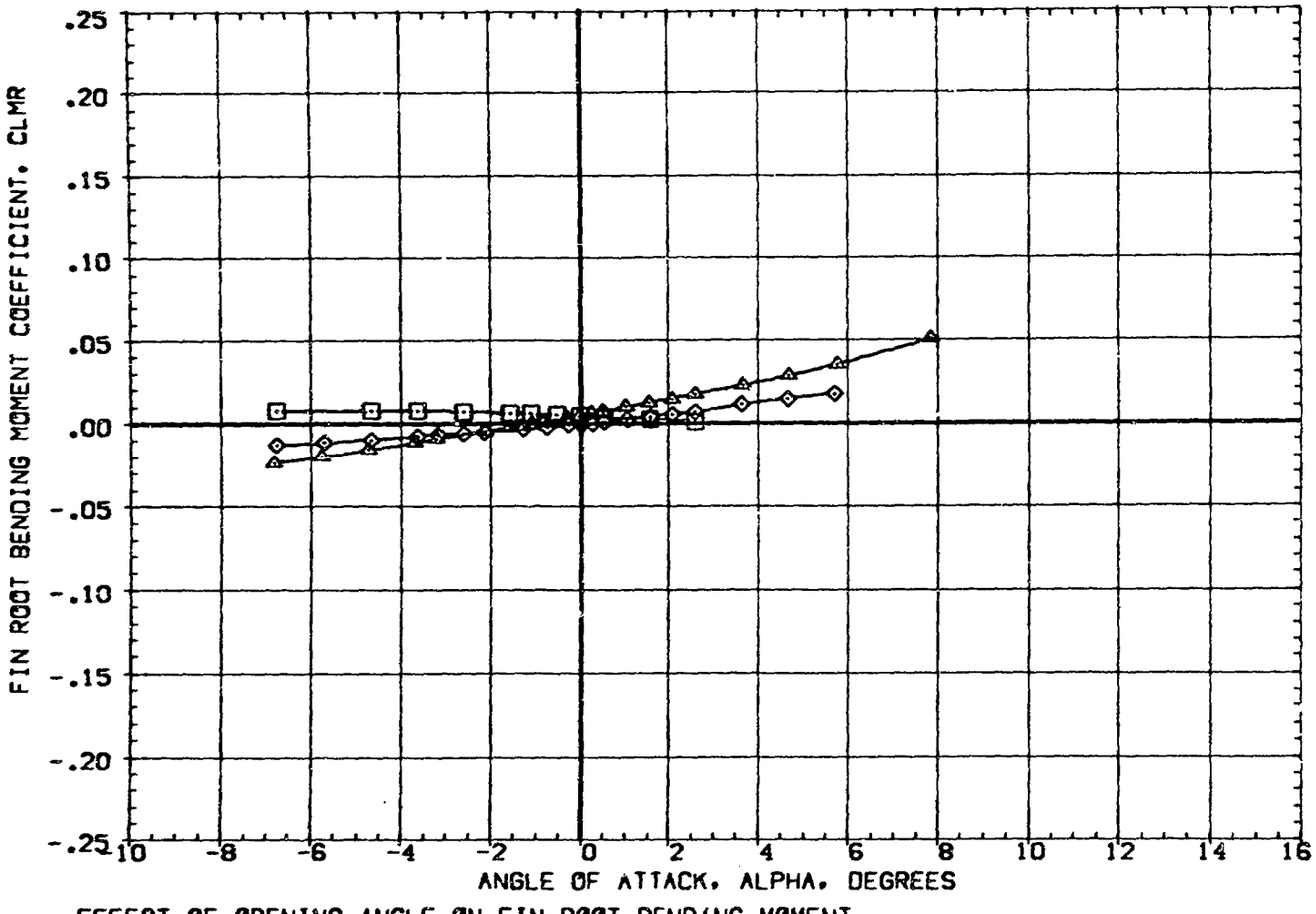


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(I)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3L01)	□	DATA NOT AVAILABLE	.000	-10.000	1.750	3.000
(CX3L05)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	3.000
(CX3U14)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	3.000
(CX3U18)	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	3.000
(CX3L22)	▷	DATA NOT AVAILABLE	.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

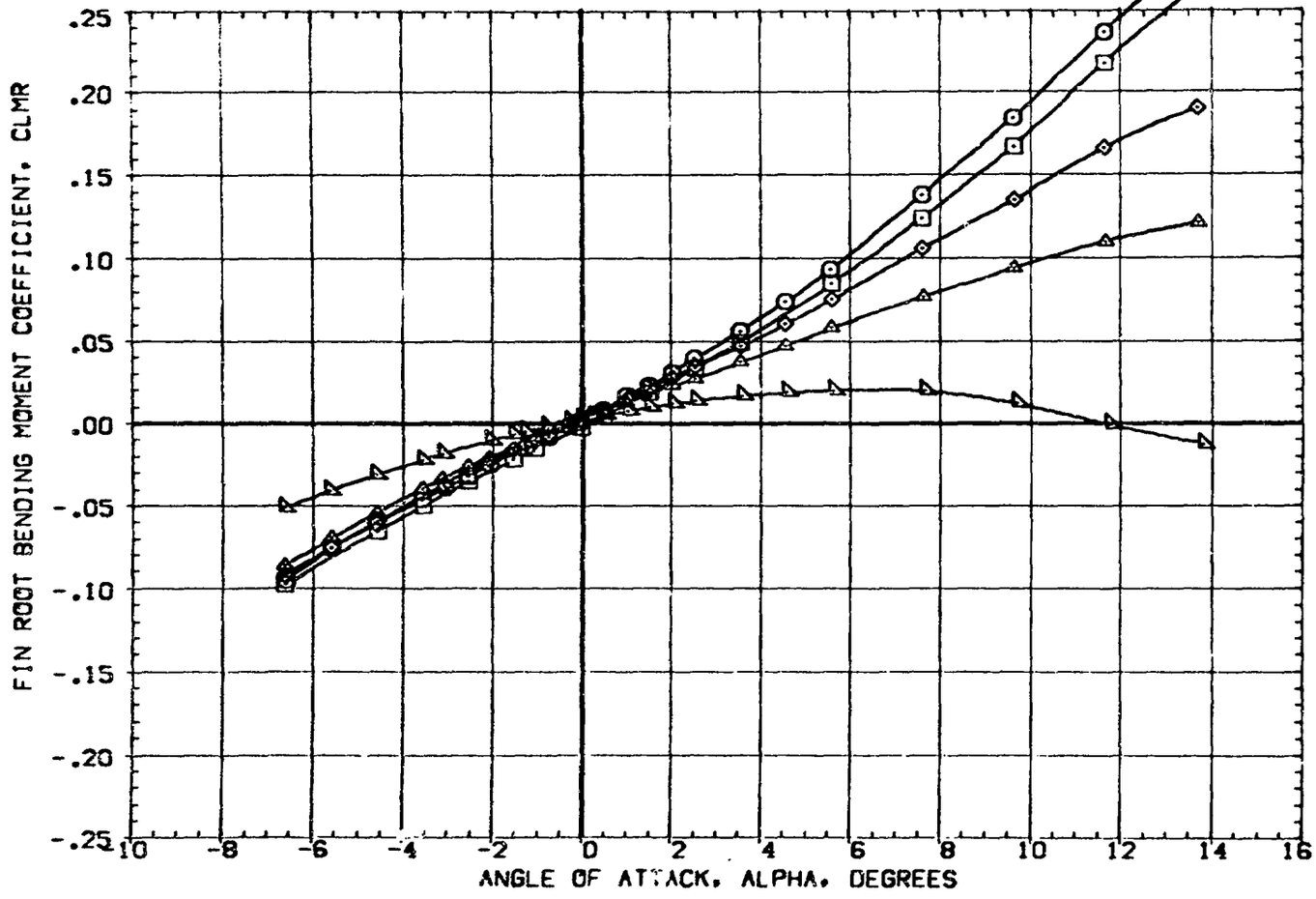


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3.01]		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	-10.000	1.750	4.000
[CX3.05]		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	4.000
[CX3.14]		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	4.000
[CX3.18]		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	4.000
[CX3.22]		AEDC TC 273 WRAPAROUND FIN, BIF1	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	1.0000	

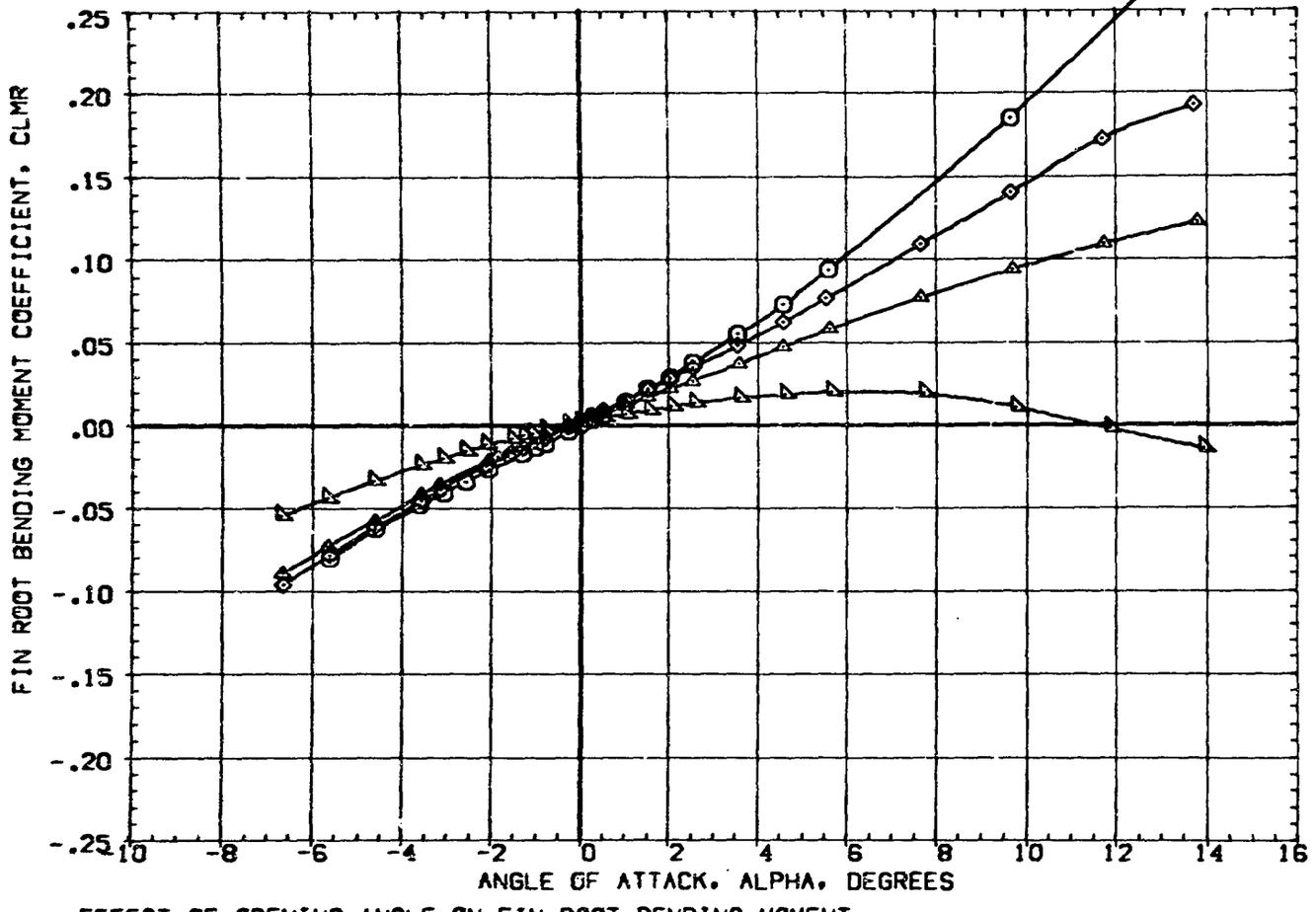


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(Cx3.01)	○	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	-10.000	1.750	4.000
(Cx3.05)	□	DATA NOT AVAILABLE	.000	.000	1.750	4.000
(Cx3.14)	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	22.500	1.750	4.000
(Cx3.18)	☆	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	45.000	1.750	4.000
(Cx3.22)	△	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.300	

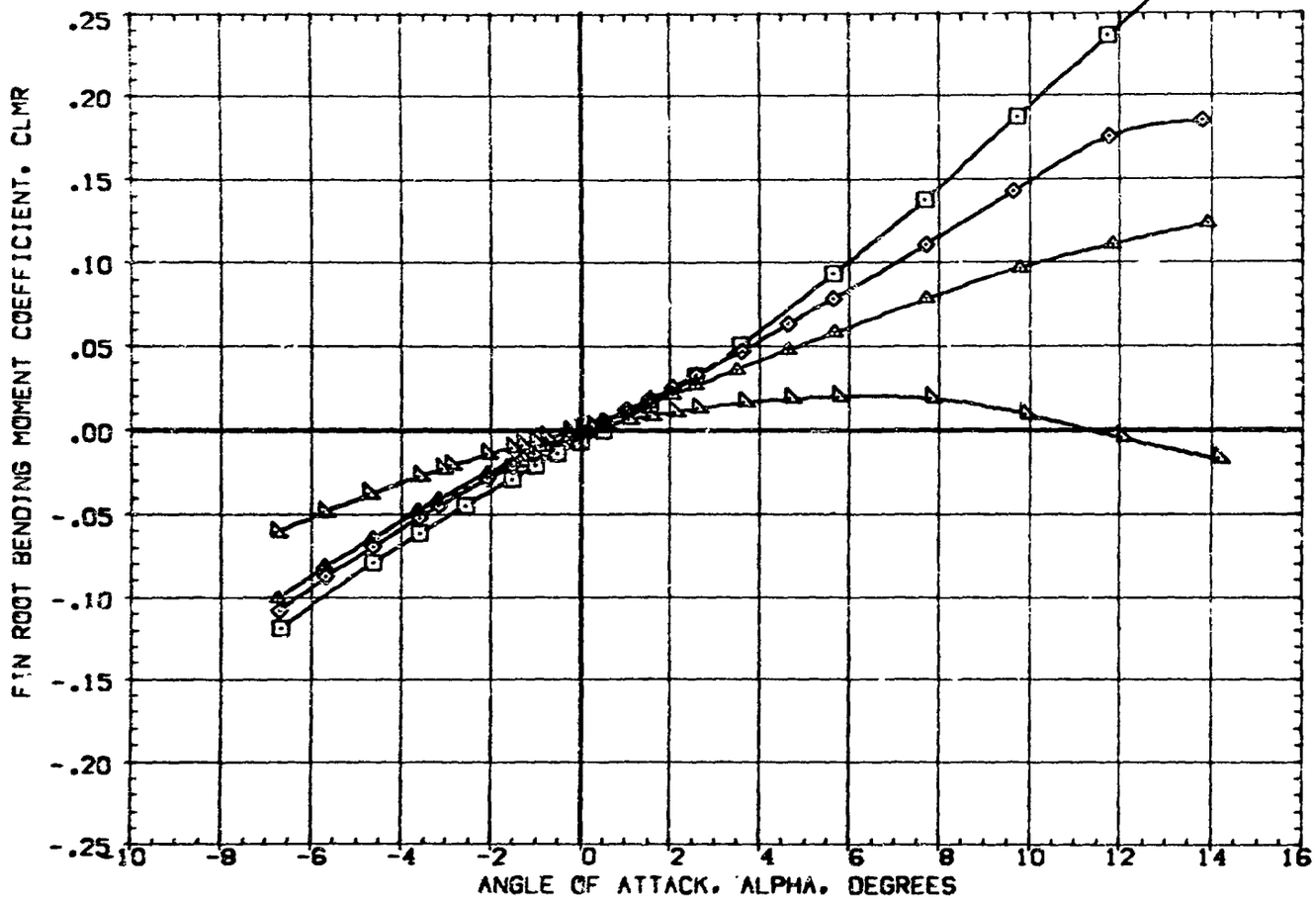


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(Cx3L01)	○	DATA NOT AVAILABLE				
(Cx3L05)	□	AEDC TC 273 WRAPAROUND FIN, BIF(	.000	-10.000	1.750	4.000
(Cx3L14)	◇	AEDC TC 273 WRAPAROUND FIN, BIF(	.000	.000	1.750	4.000
(Cx3L18)	△	AEDC TC 273 WRAPAROUND FIN, BIF(	.000	22.500	1.750	4.000
(Cx3L22)	▽	AEDC TC 273 WRAPAROUND FIN, BIF(	.000	45.000	1.750	4.000
			.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.7000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

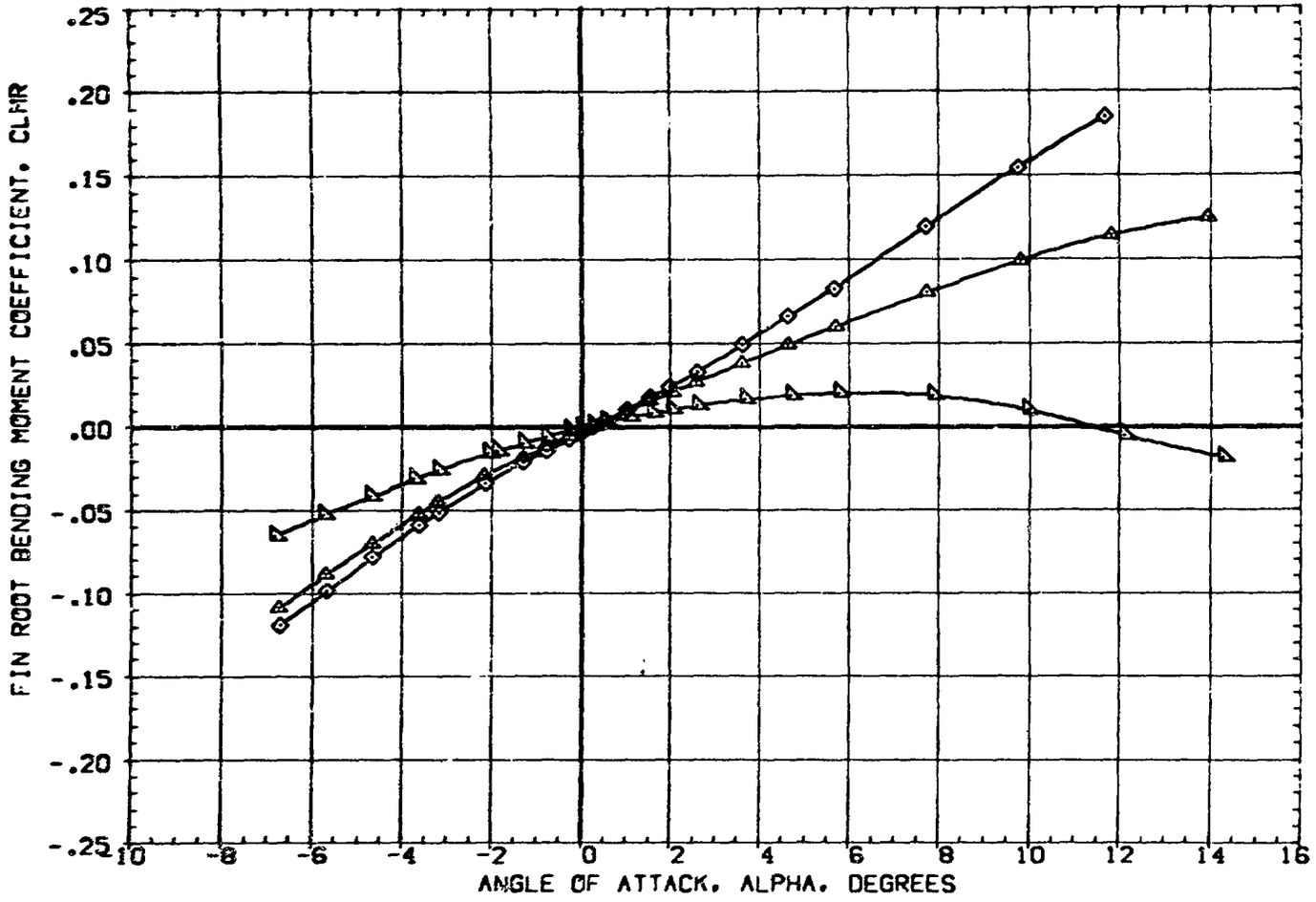


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(Cx3.01)	□	DATA NOT AVAILABLE	.000	-10.000	1.750	4.000
(Cx3.05)	◇	DATA NOT AVAILABLE	.000	.000	1.750	4.000
(Cx3.14)	△	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	22.500	1.750	4.000
(Cx3.18)	▽	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	45.000	1.750	4.000
(Cx3.22)	◁	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

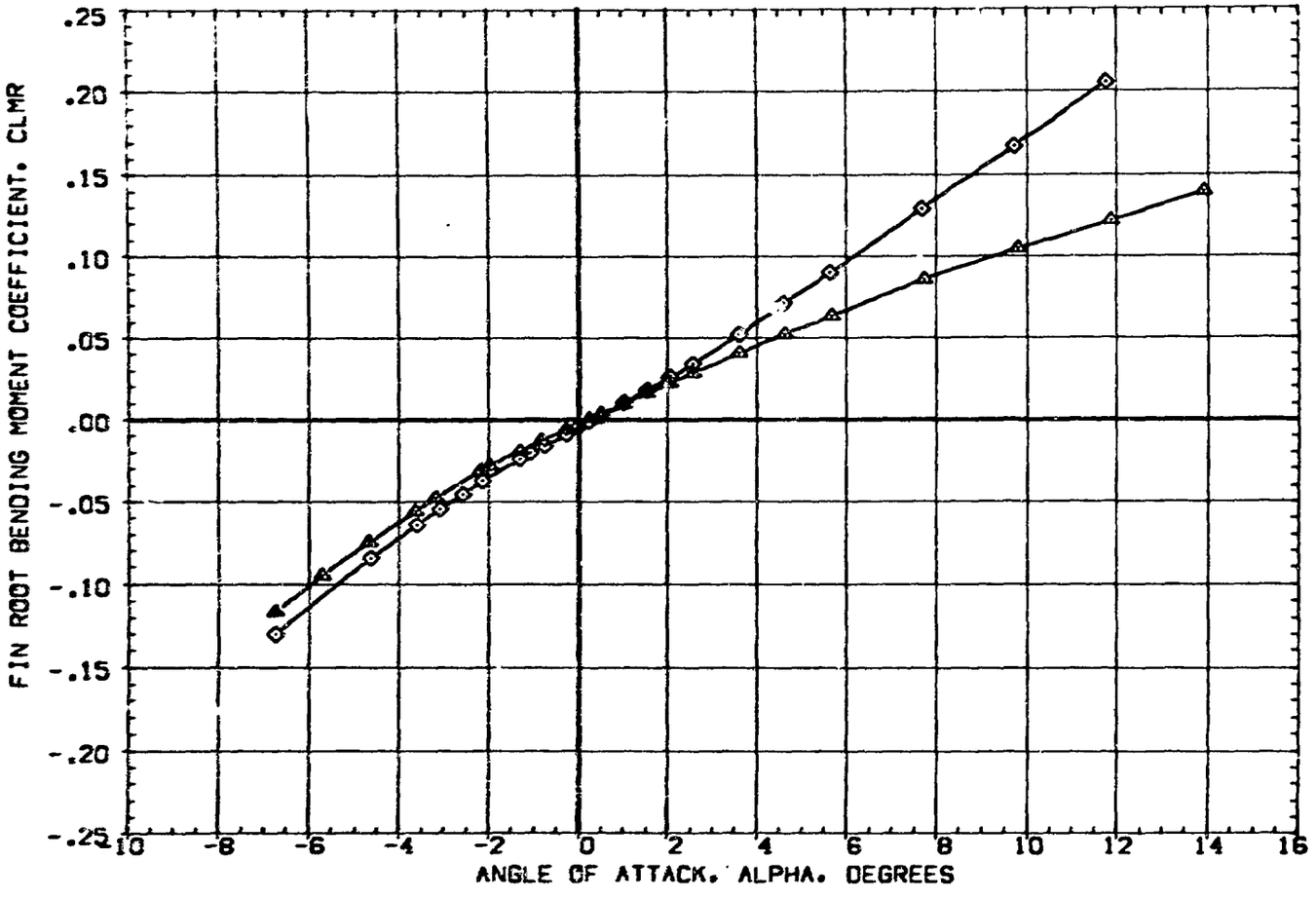


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3L01)	○	DATA NOT AVAILABLE	.000	-10.000	1.750	4.000
(CX3L05)	▽	DATA NOT AVAILABLE	.000	.000	1.750	4.000
(CX3L14)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	4.000
(CX3L18)	◁	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	4.000
(CX3L22)	△	DATA NOT AVAILABLE	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

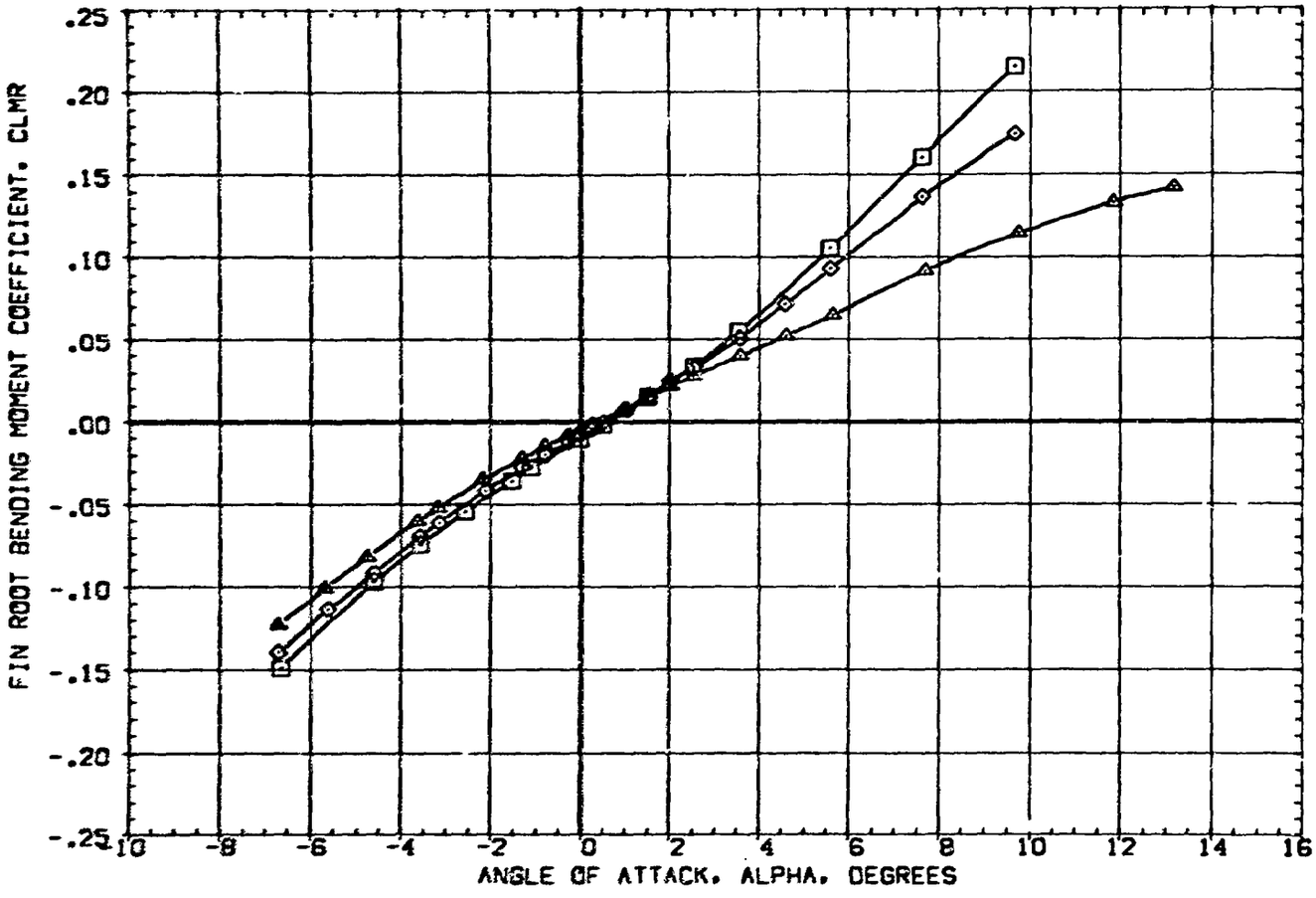


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C*3.01]	□	DATA NOT AVAILABLE	.000	-10.000	1.750	4.000
[C*3.05]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	.000	1.750	4.000
[C*3.14]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	4.000
[C*3.18]	⊡	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	4.000
[C*3.22]	△	DATA NOT AVAILABLE	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	10.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

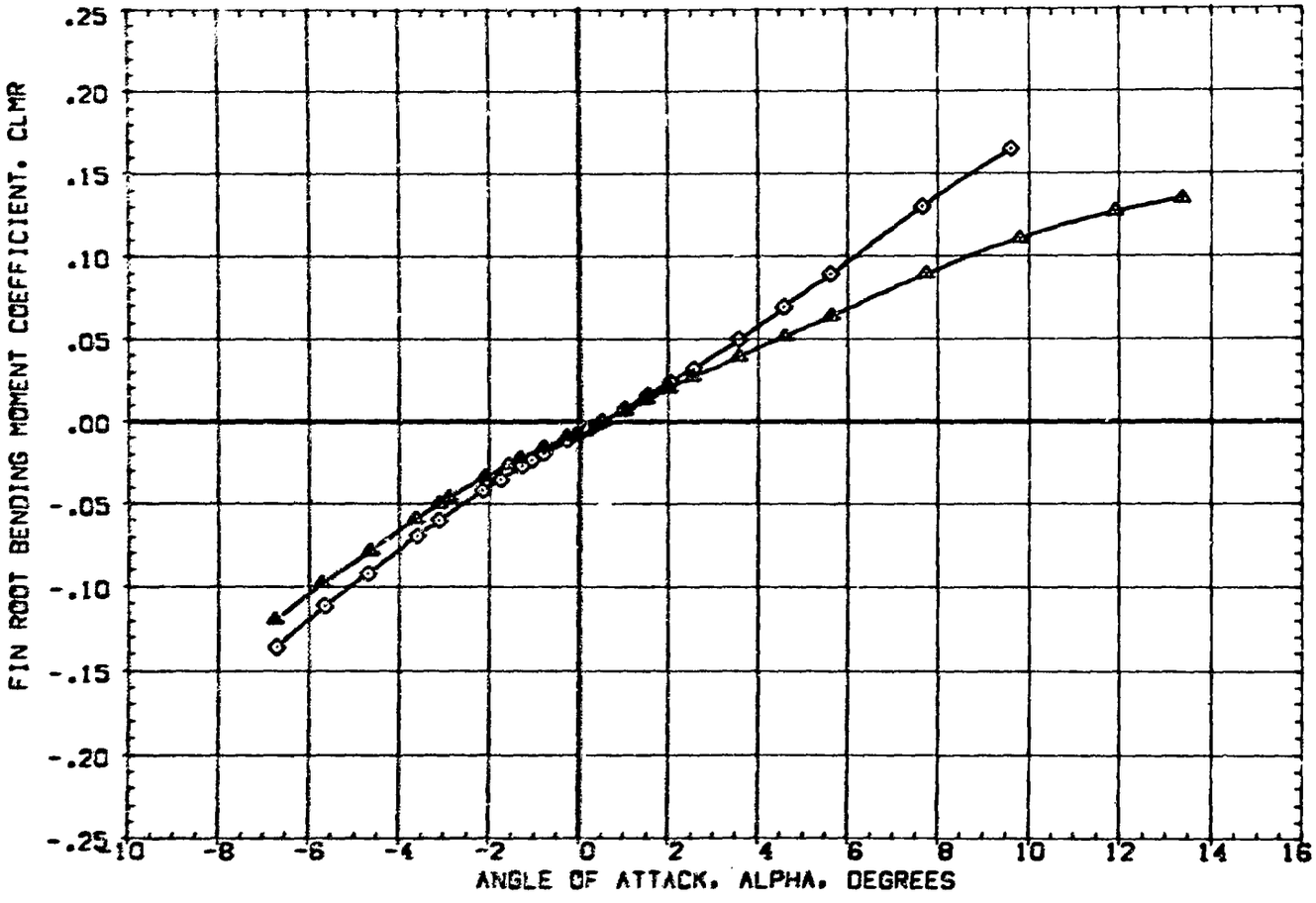


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C×3.01]	○	DATA NOT AVAILABLE	.000	-10.000	1.750	4.000
[C×3.05]	□	DATA NOT AVAILABLE	.000	.000	1.750	4.000
[C×3.14]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	22.500	1.750	4.000
[C×3.18]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	45.000	1.750	4.000
[C×3.22]	▽	DATA NOT AVAILABLE	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

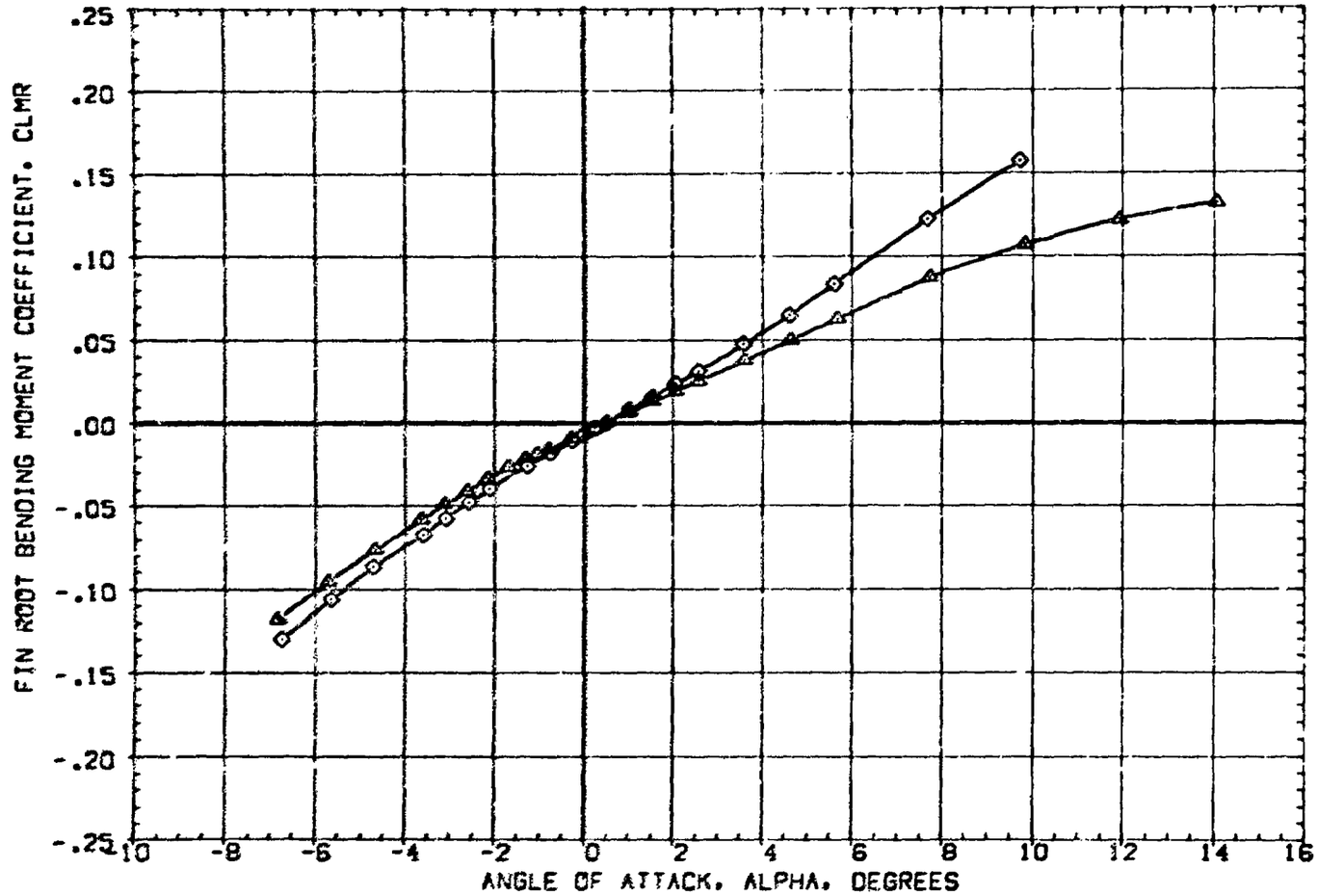


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[G]MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3.01	□	DATA NOT AVAILABLE	.000	-10.000	1.750	4.000
(C)3.05	△	DATA NOT AVAILABLE	.000	.000	1.750	4.000
(C)3.14	◇	AEDC TC 273 WRAPAROUND FIN, BIF	.000	22.500	1.750	4.000
(C)3.18	⋈	AEDC TC 273 WRAPAROUND FIN, BIF	.000	45.000	1.750	4.000
(C)3.22	▽	DATA NOT AVAILABLE	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

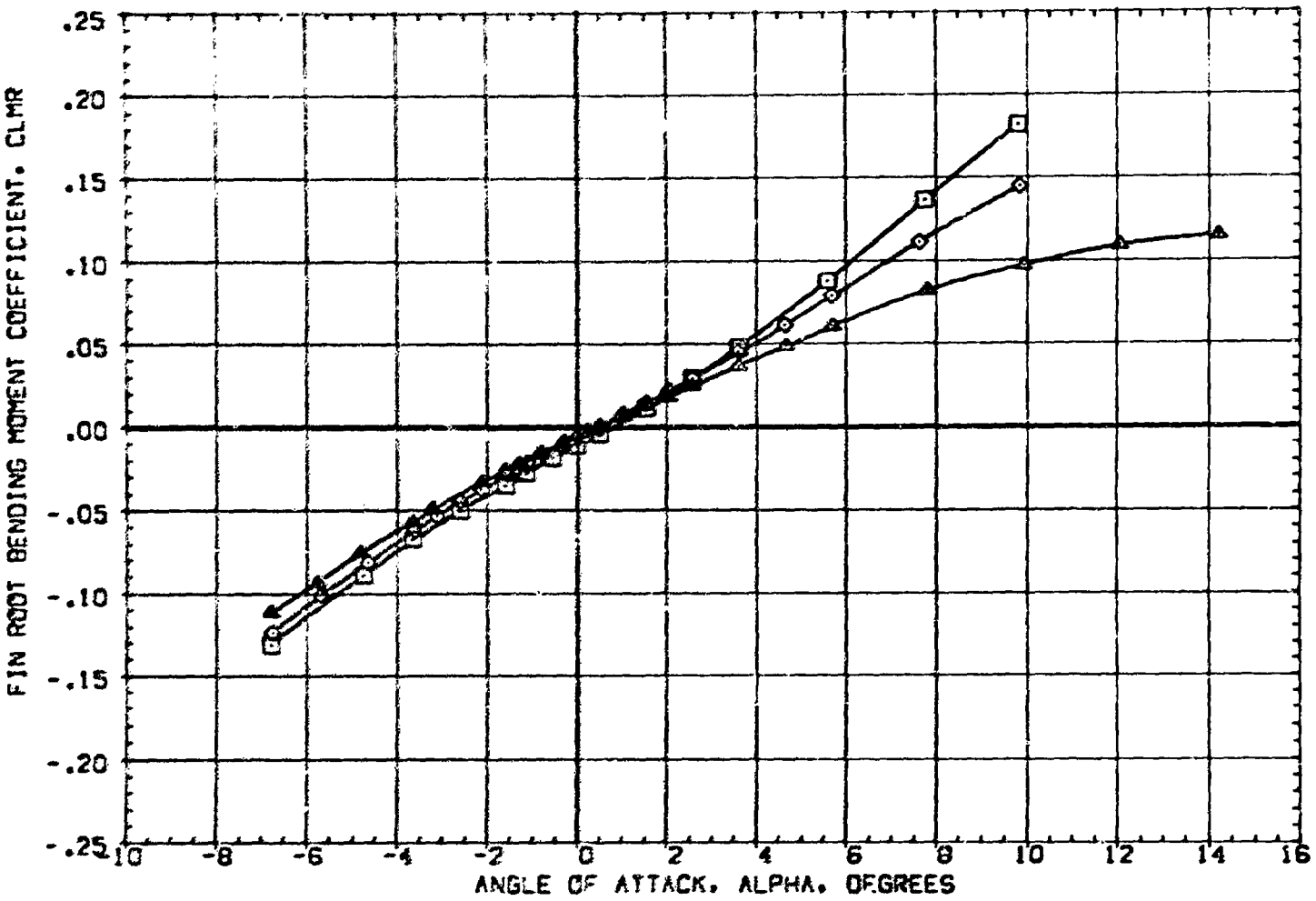


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3,01)	○	DATA NOT AVAILABLE	.000	-10.000	1.750	4.000
(CX3,05)	□	AEDC IC 273 WRAPAROUND FIN, BIF	.000	.000	1.750	4.000
(CX3,14)	◇	AEDC IC 273 WRAPAROUND FIN, BIF	.000	22.500	1.750	4.000
(CX3,18)	△	AEDC IC 273 WRAPAROUND FIN, BIF	.000	45.000	1.750	4.000
(CX3,22)		DATA NOT AVAILABLE	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

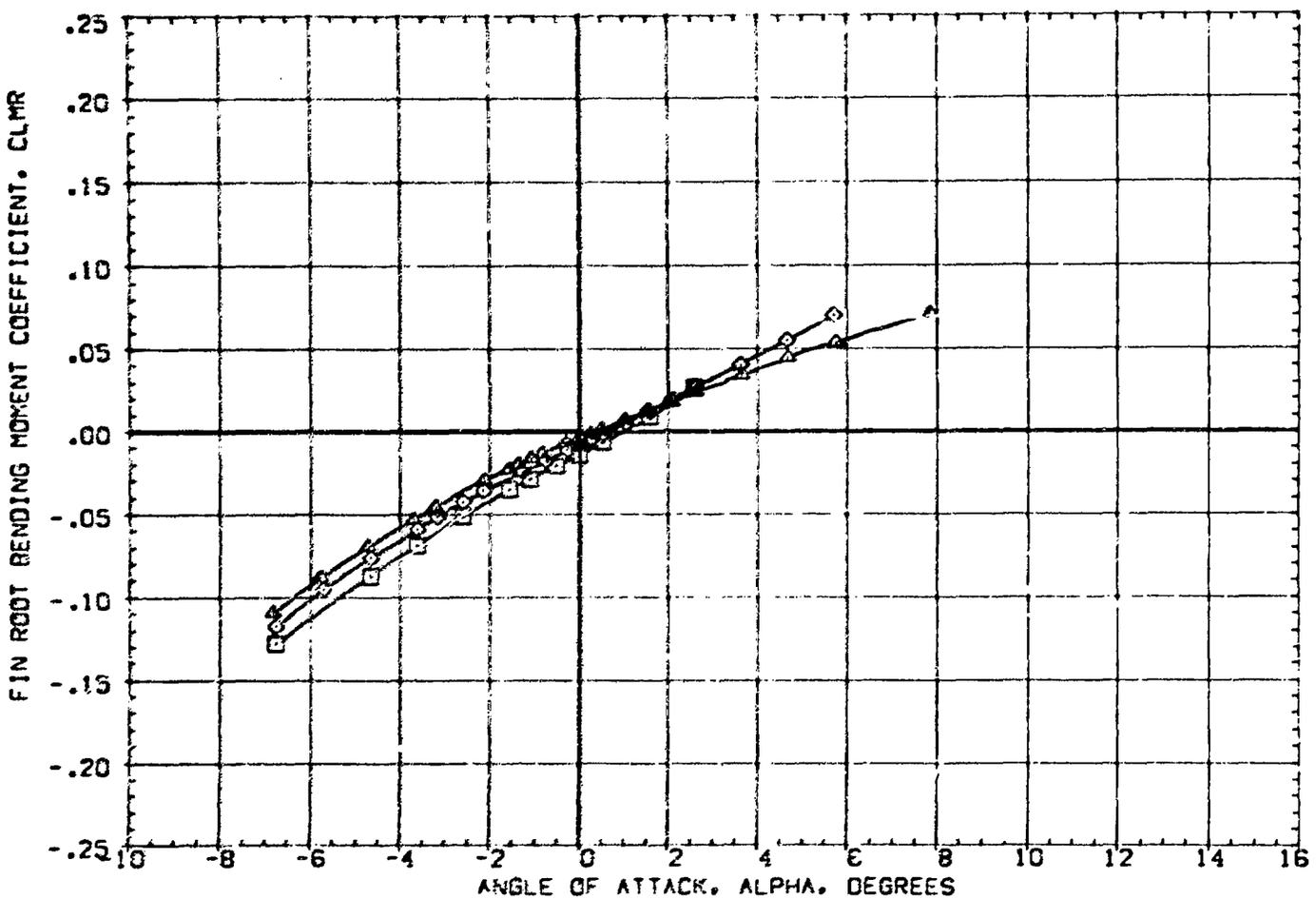


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(:)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[0,1,0]	□	DATA NOT AVAILABLE	.000	-10.000	1.750	4.000
[0,1,0]	◇	AERO TC 270 WRAPAROUND FIN, BIF	.000	.000	1.750	4.000
[0,1,0]	▽	AERO TC 270 WRAPAROUND FIN, BIF	.000	22.500	1.750	4.000
[0,1,0]	△	AERO TC 270 WRAPAROUND FIN, BIF	.000	45.000	1.750	4.000
[0,1,0]	○	DATA NOT AVAILABLE	.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

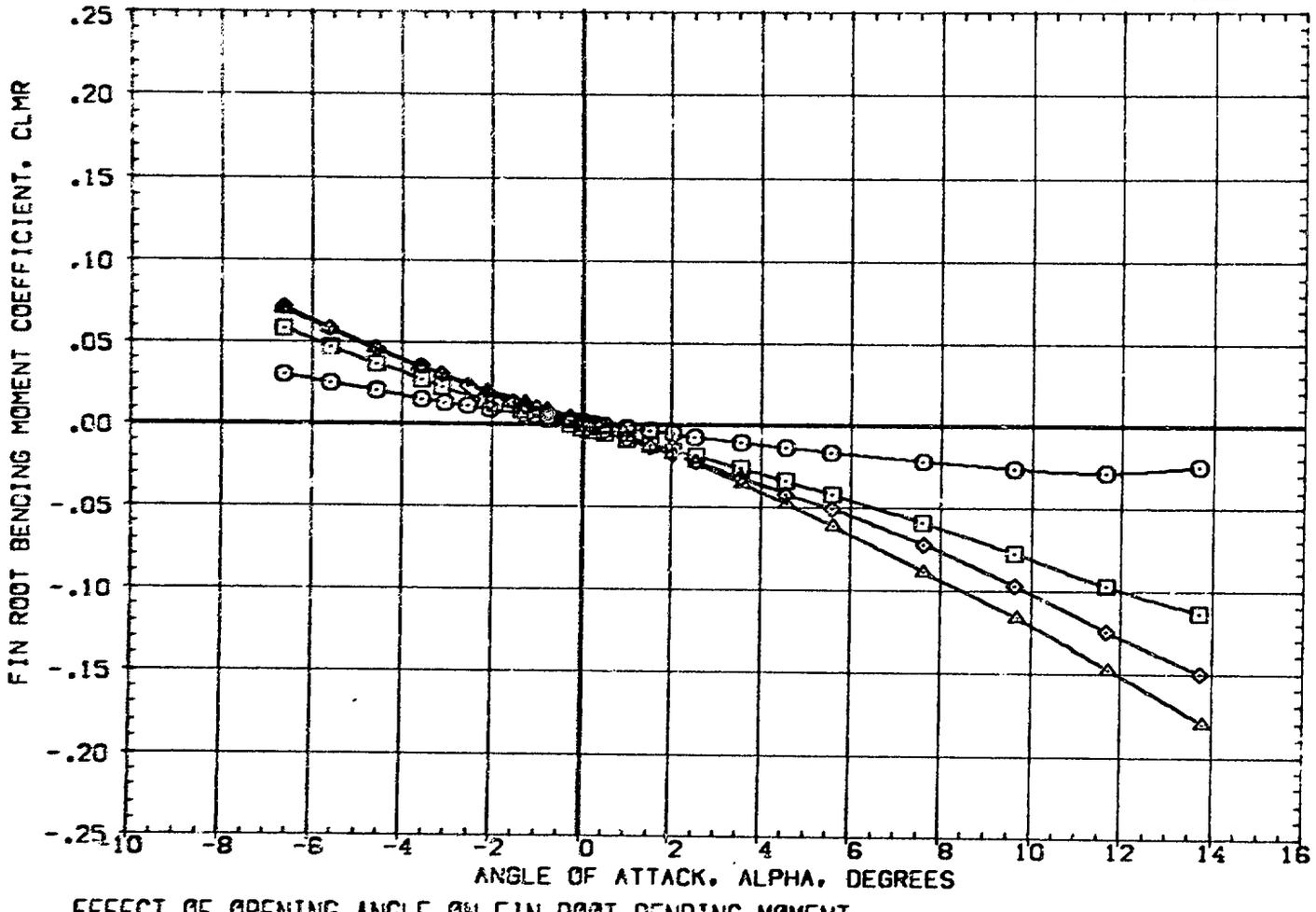


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3TC2)	○	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	-10.000	1.750	1.000
(CX3TC5)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	1.000
(CX3TC8)	△	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	1.000
(CX3TC3)	☆	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



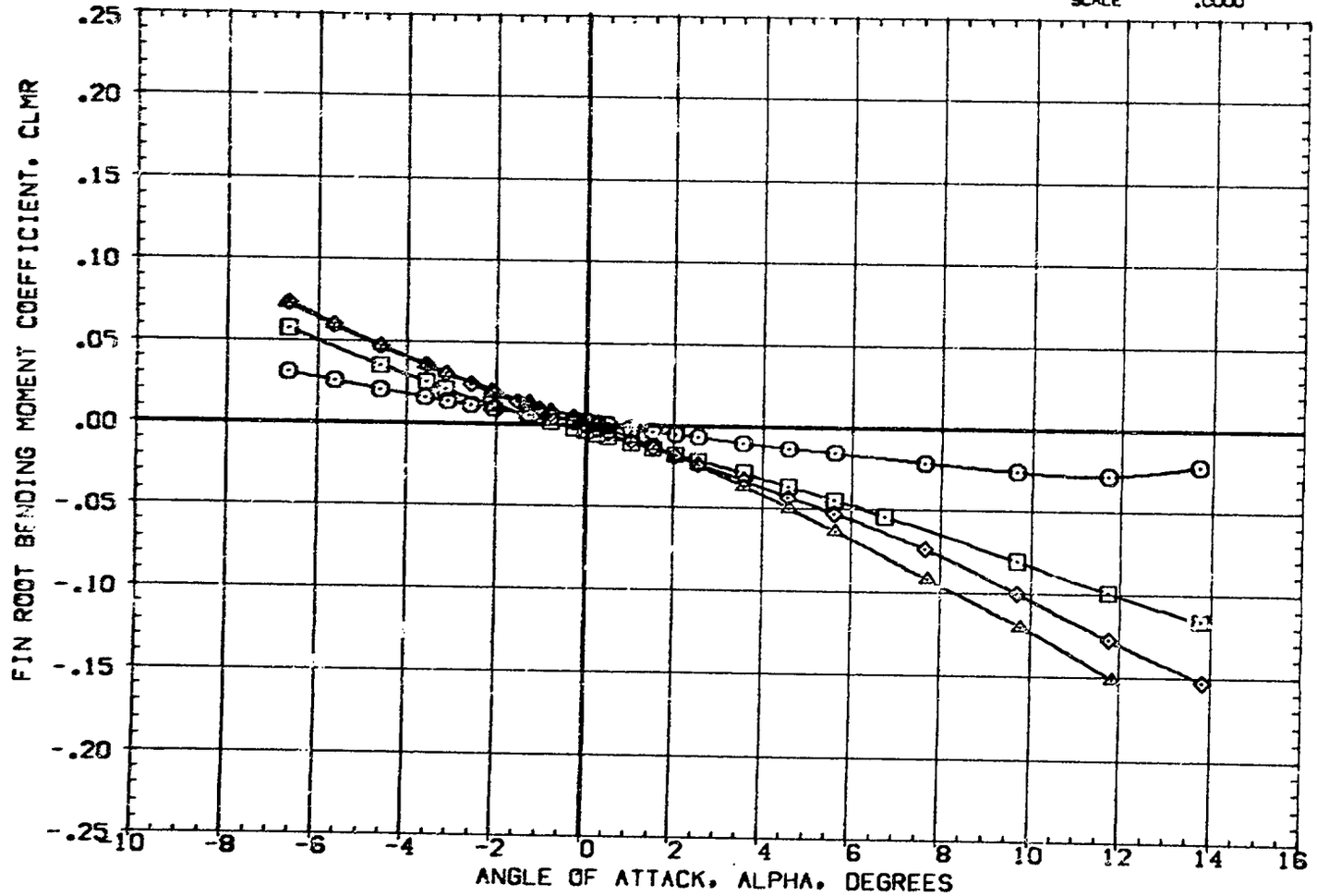
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CX3T02)	AEDC TC 273 WRAPAROUND FIN, B1F1
(CX3T15)	AEDC TC 273 WRAPAROUND FIN, B1F1
(CX3T19)	AEDC TC 273 WRAPAROUND FIN, B1F1
(CX3T23)	AEDC TC 273 WRAPAROUND FIN, B1F1

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	1.000
22.500	22.500	1.750	1.000
22.500	45.000	1.750	1.000
22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

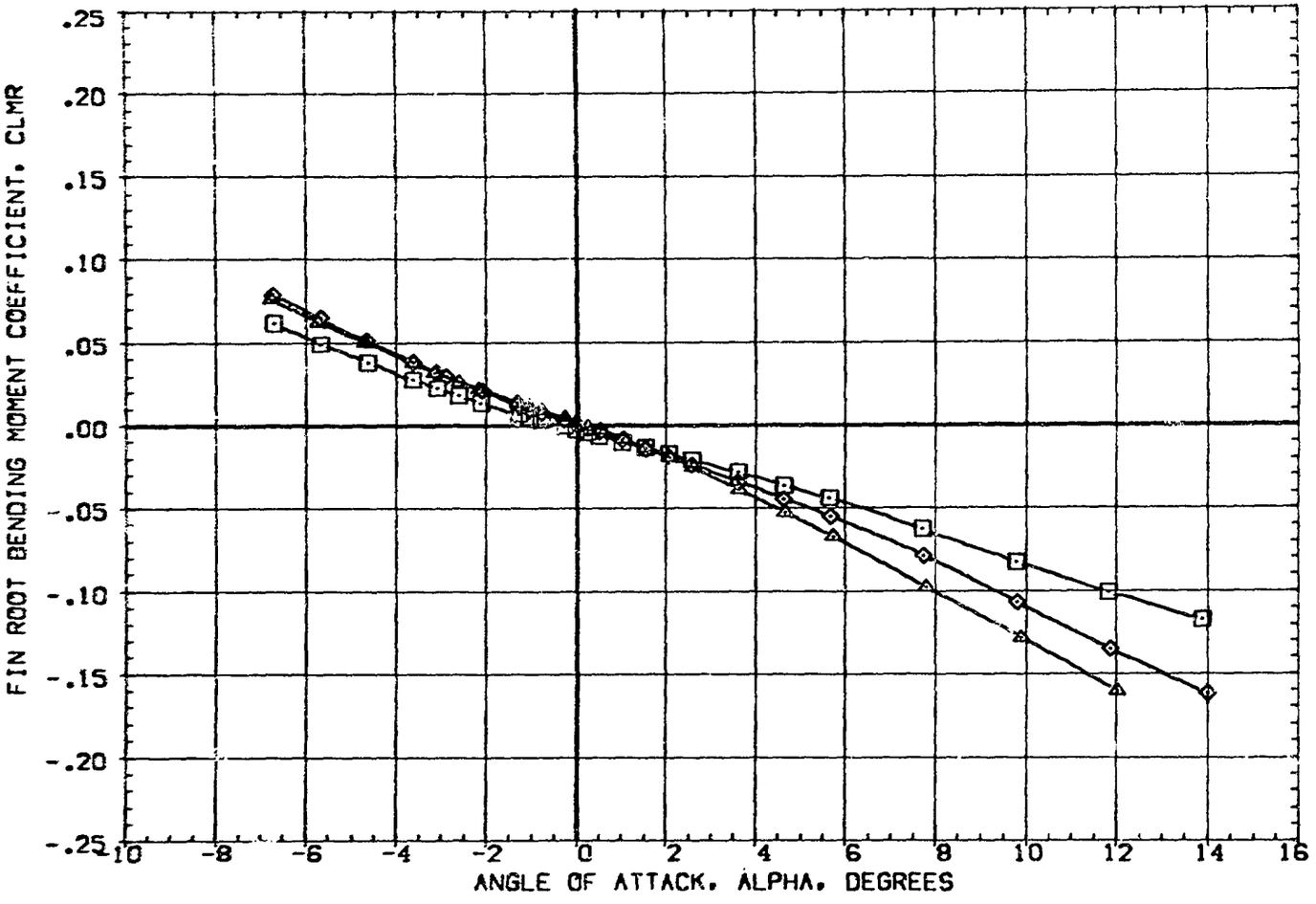


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(Cx3TC2)	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	1.000
(Cx3T15)		AEDC TC 273 wRAPAROUND FIN, BIFI	22.500	22.500	1.750	1.000
(Cx3T19)	☒	AEDC TC 273 wRAPAROUND FIN, BIFI	22.500	45.000	1.750	1.000
(Cx3T23)	☒	AEDC TC 273 wRAPAROUND FIN, BIFI	22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



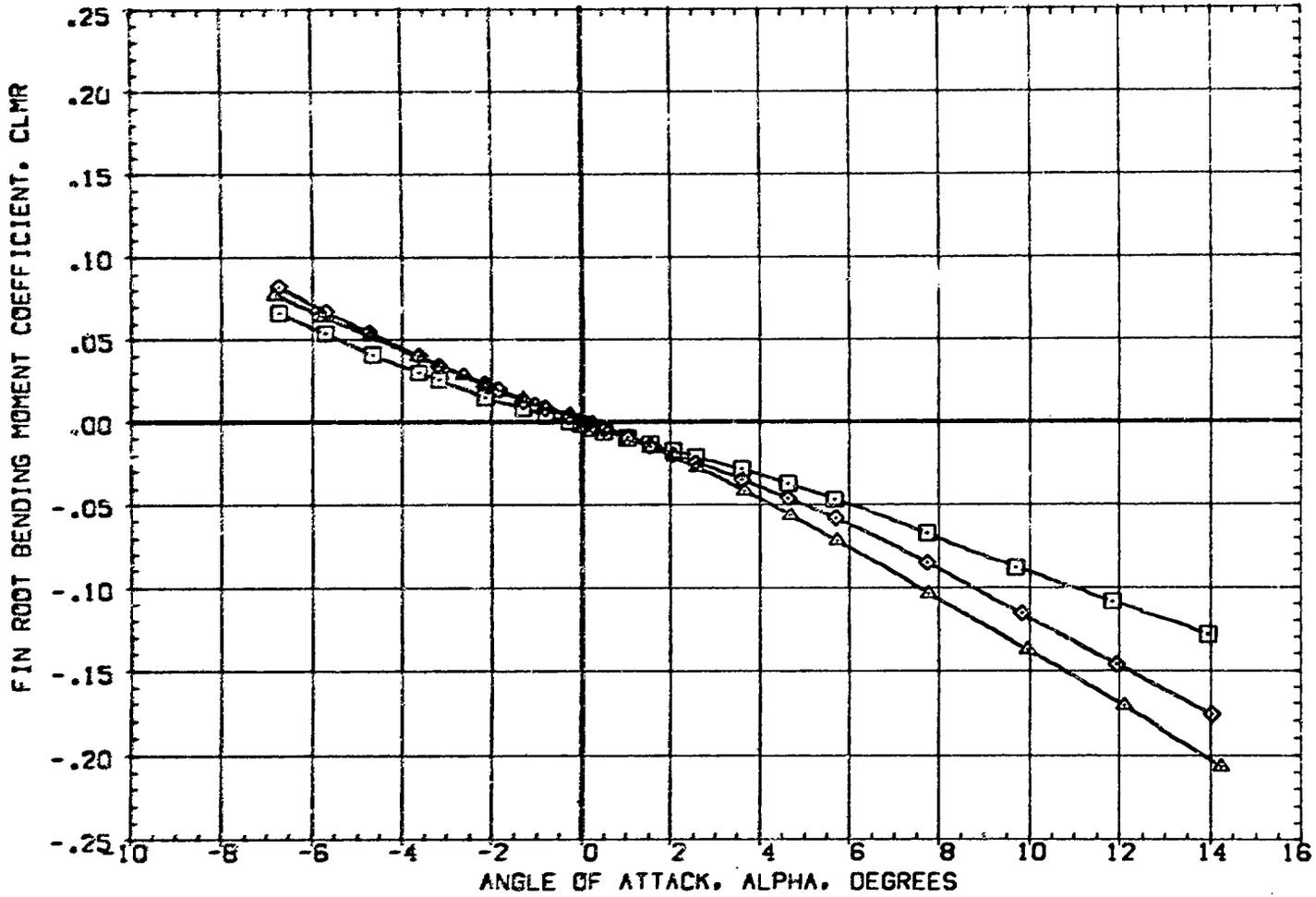
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3102)	○	DATA NOT AVAILABLE
(CX3115)	□	AEDC TC 273 WRAPAROUND FIN, BIF
(CX3119)	◇	AEDC TC 273 WRAPAROUND FIN, BIF
(CX3123)	△	AEDC TC 273 WRAPAROUND FIN, BIF

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	1.000
22.500	22.500	1.750	1.000
22.500	45.000	1.750	1.000
22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

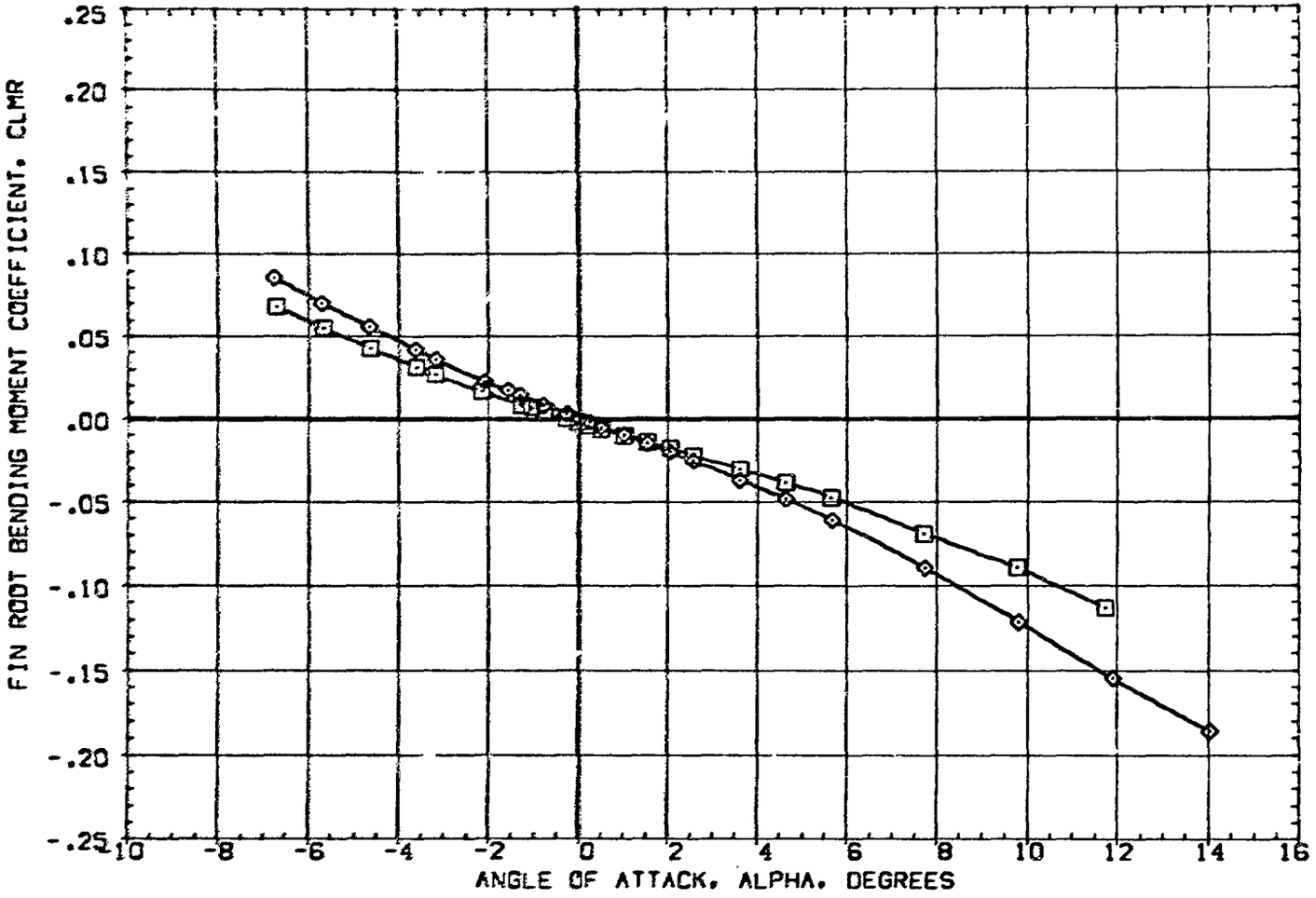


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(□)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C*3102)	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	1.000
(C*3115)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF	22.500	22.500	1.750	1.000
(C*3118)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF	22.500	45.000	1.750	1.000
(C*3123)	△	DATA NOT AVAILABLE	22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



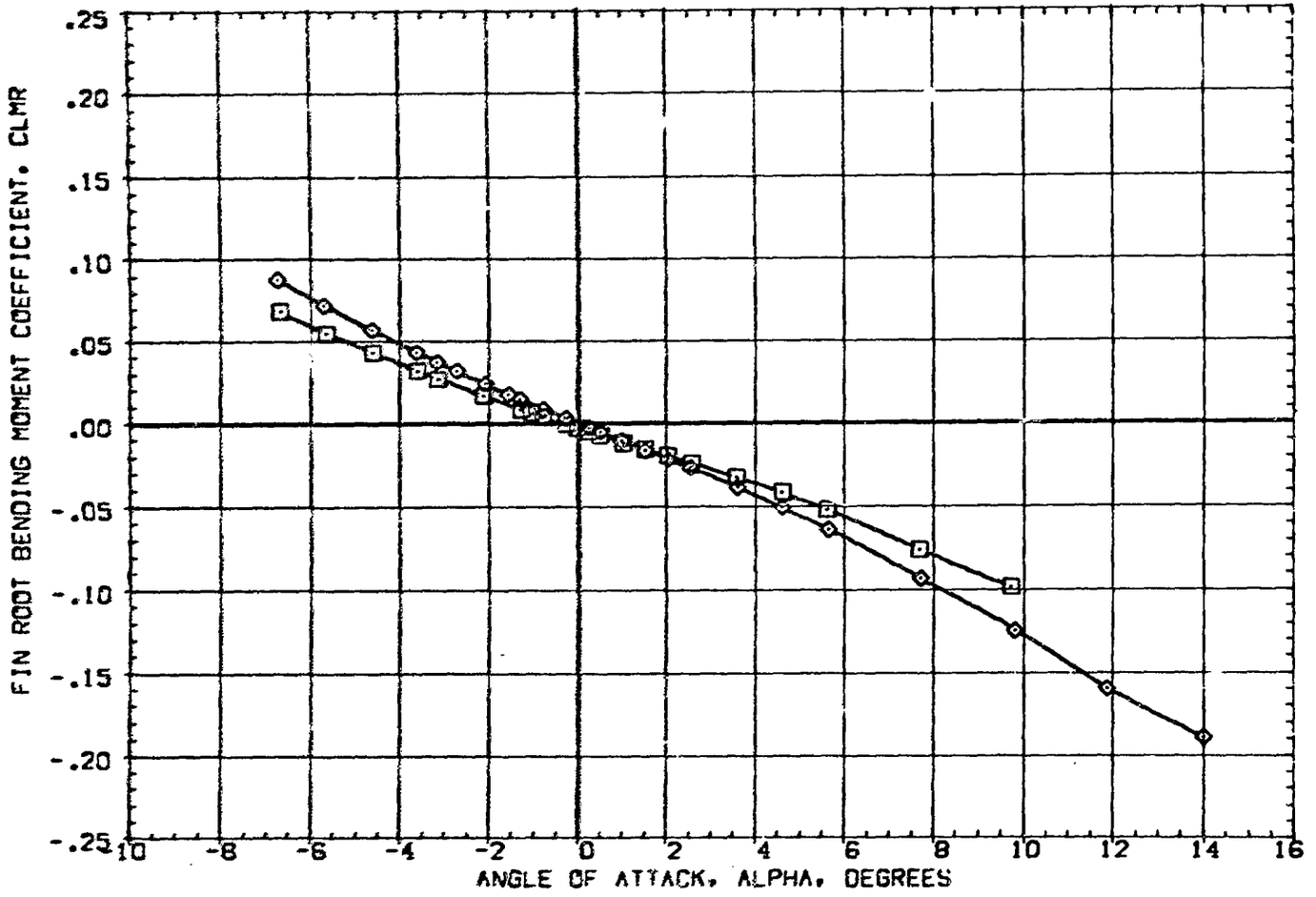
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX21101]	○	DATA NOT AVAILABLE
[CX21151]	⊠	AEDC TC 273 W/RAPAROUND FIN, BIF1
[CX21191]	⊠	AEDC TC 273 W/RAPAROUND FIN, BIF1
[CX21231]	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	1.000
22.500	22.500	1.750	1.000
22.500	45.000	1.750	1.000
22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



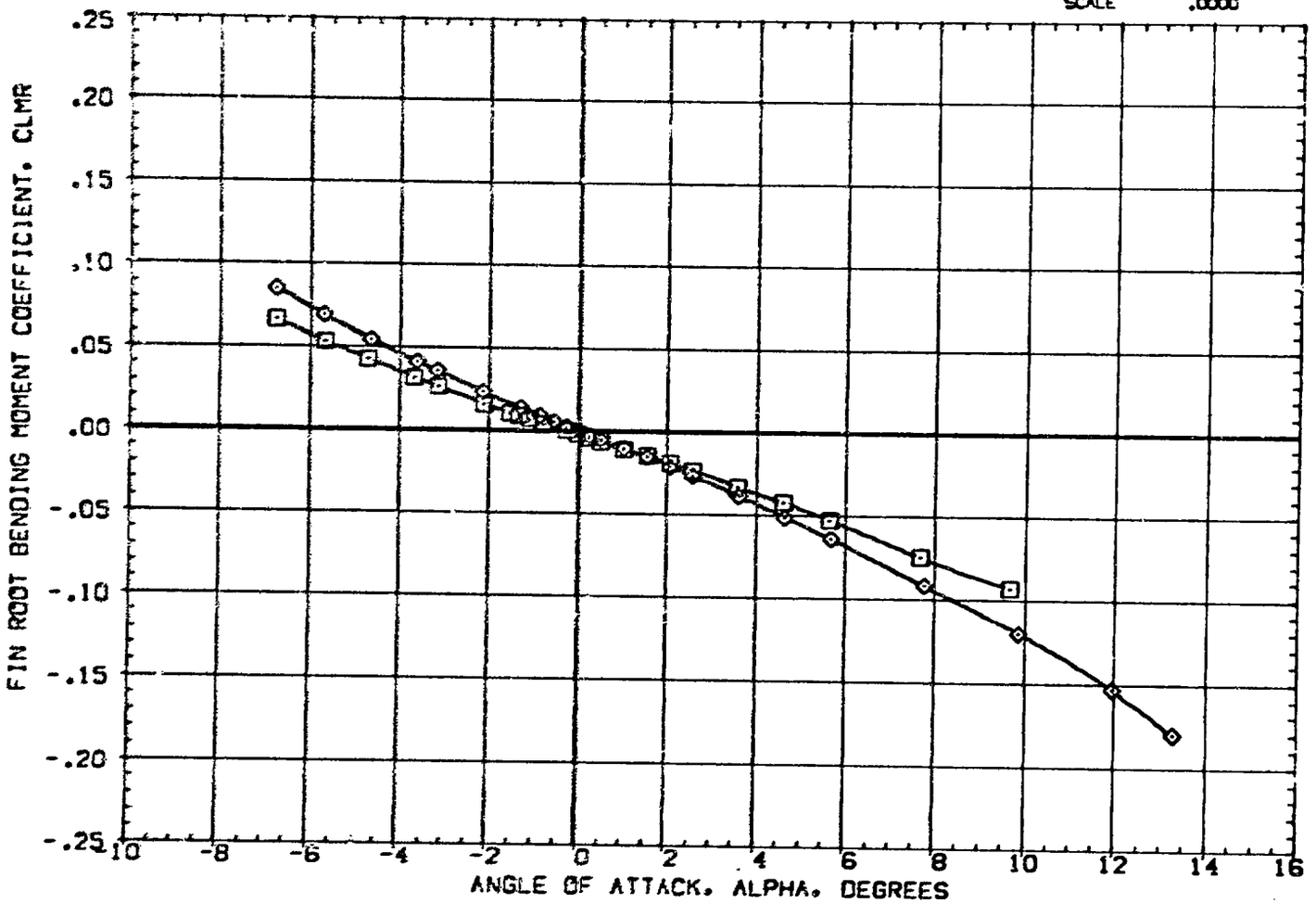
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C+3102)	◇	DATA NOT AVAILABLE
(C+3115)	□	AEDC TC 273 WRAPAROUND FIN, BIF
(C+3119)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF
(C+3123)	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	1.000
22.500	22.500	1.750	1.000
22.500	45.000	1.750	1.000
22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

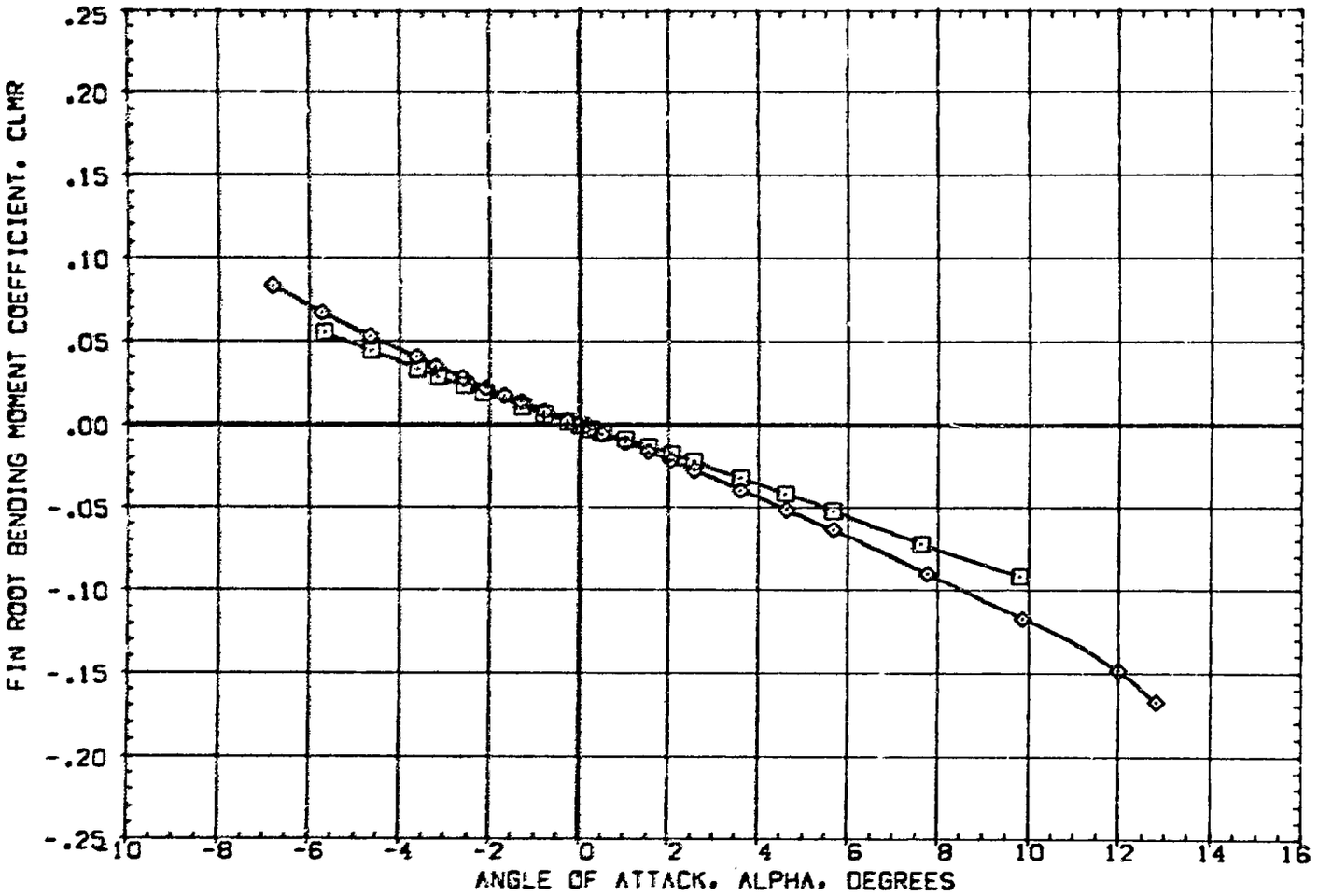


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(Cx3TG2)	□	DATA NOT AVAILABLE	22.500	-10.000	1.750	1.000
(Cx3T15)	◇	AEDC TC 273 WRAPAROUND FIN, BIFI	22.500	22.500	1.750	1.000
(Cx3T19)	△	AEDC TC 273 WRAPAROUND FIN, BIFI	22.500	45.000	1.750	1.000
(Cx3T23)	⊠	DATA NOT AVAILABLE	22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



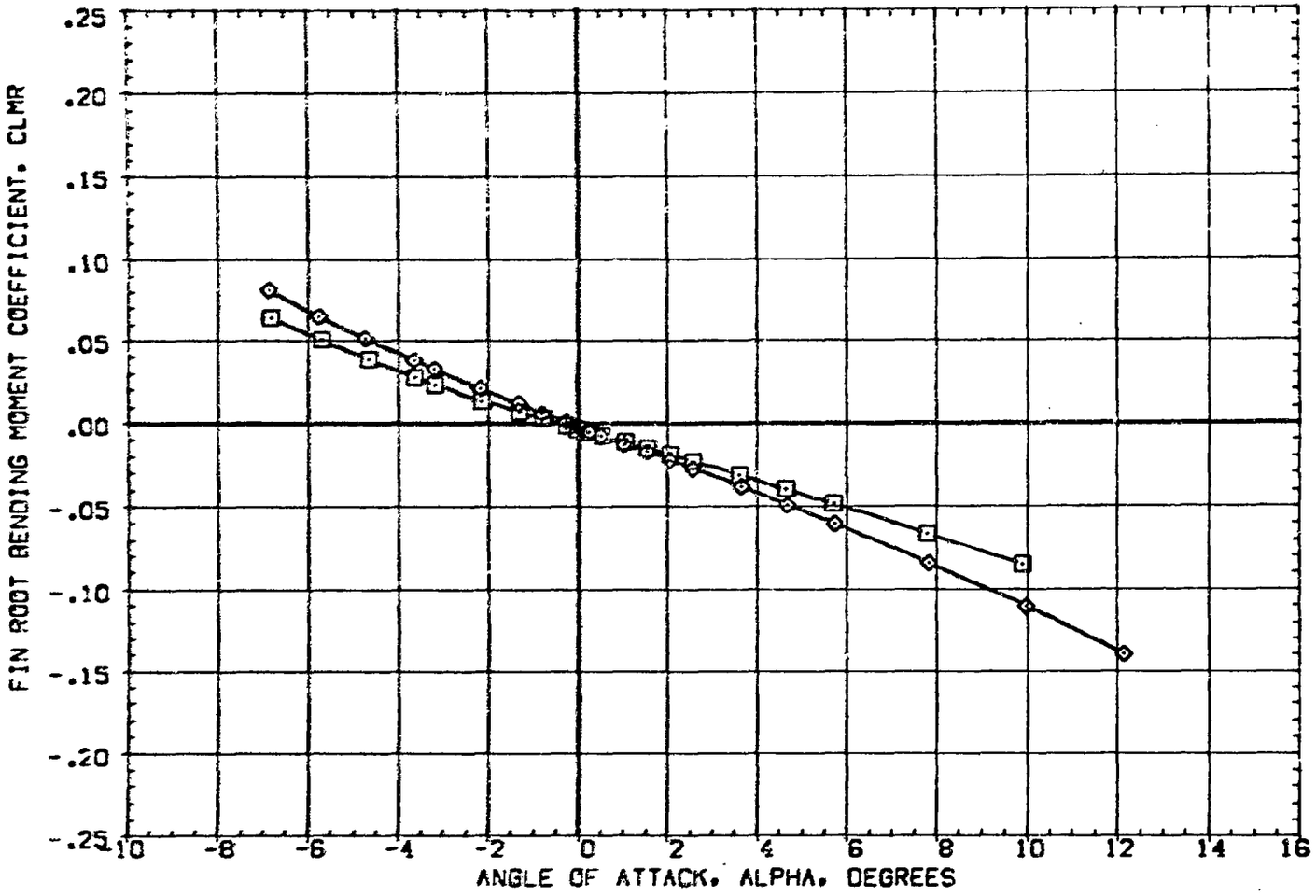
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION:
[CX3102]	□	DATA NOT AVAILABLE
[CX3115]	◇	AERO TC 273 WRAPAROUND FIN, BIF1
[CX3118]	⋈	AERO TC 273 WRAPAROUND FIN, BIF1
[CX3123]	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	1.000
22.500	22.500	1.750	1.000
22.500	45.000	1.750	1.000
22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	19.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

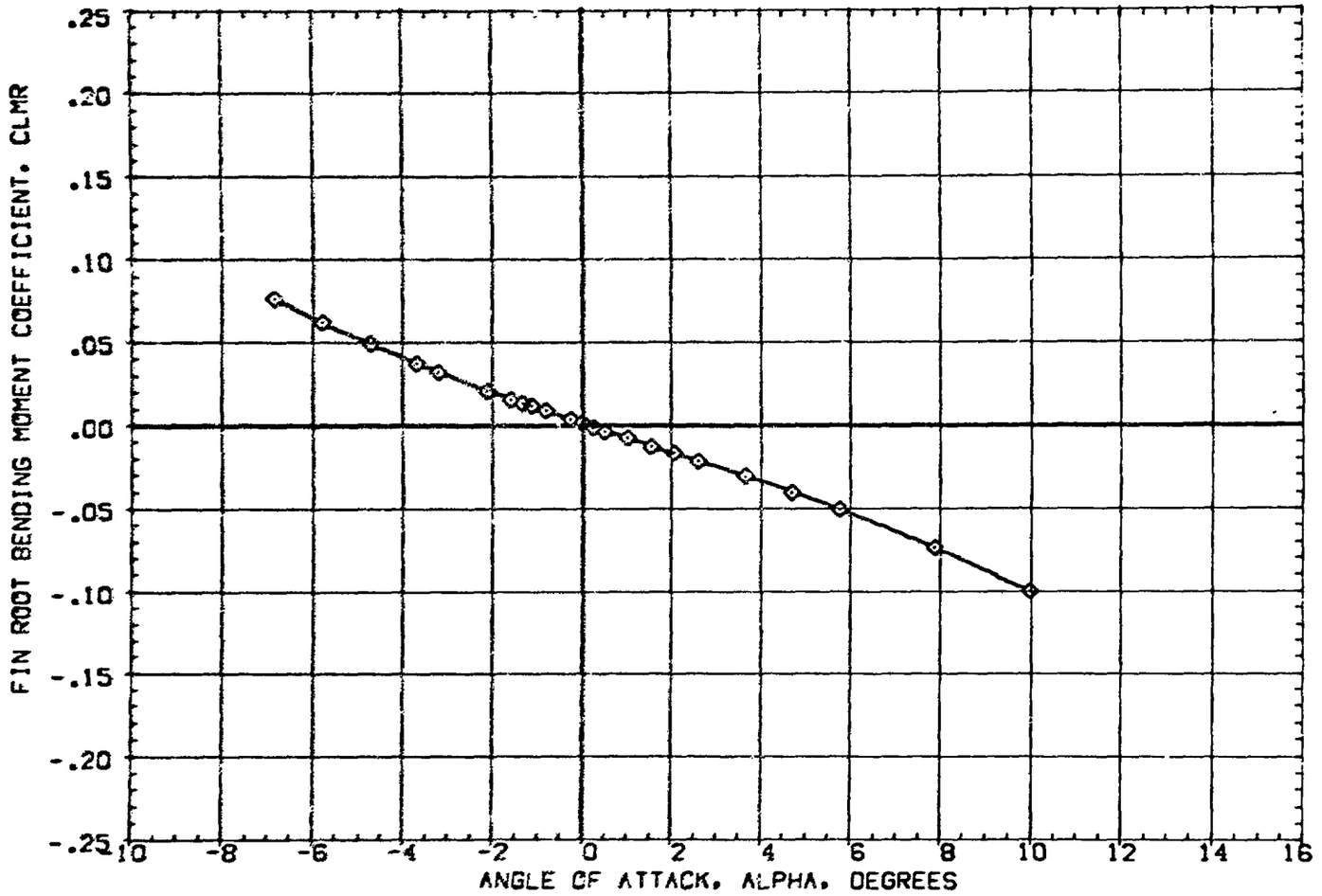


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[ ]MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3102)	□	DATA NOT AVAILABLE	22.500	-10.000	1.750	1.000
(CX3115)	◇	DATA NOT AVAILABLE	22.500	22.500	1.750	1.000
(CX3119)	▷◁	AEDC TC 273 WRAPAROUND FIN, BIF)	22.500	45.000	1.750	1.000
(CX3123)	△	DATA NOT AVAILABLE	22.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

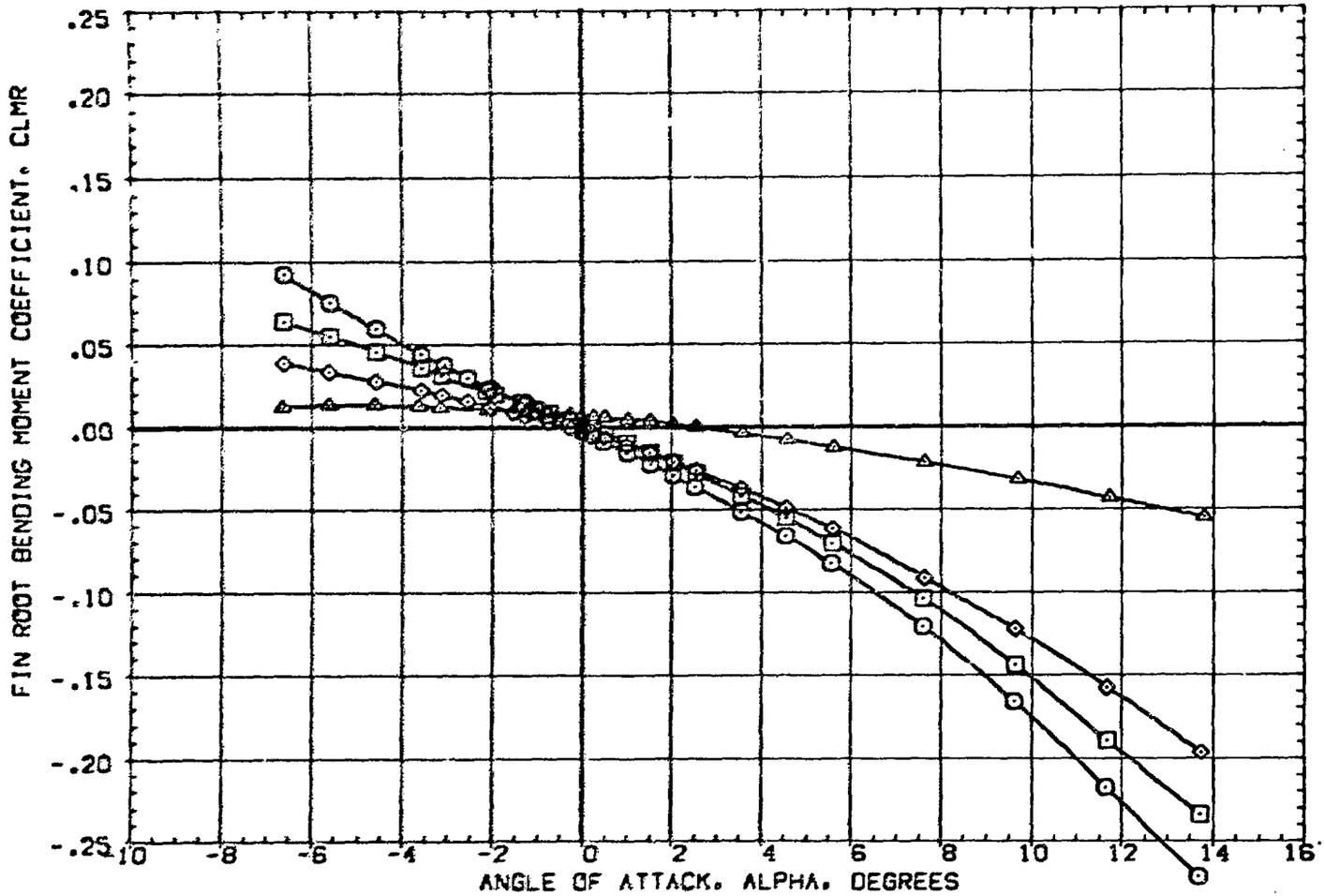


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	○	AERO TC 273 WRAPAROUND FIN, BIF1	22.500	-10.000	1.750	2.000
[illegible]	□	AERO TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	2.000
[illegible]	◇	AERO TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	2.000
[illegible]	△	AERO TC 273 WRAPAROUND FIN, BIF1	22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



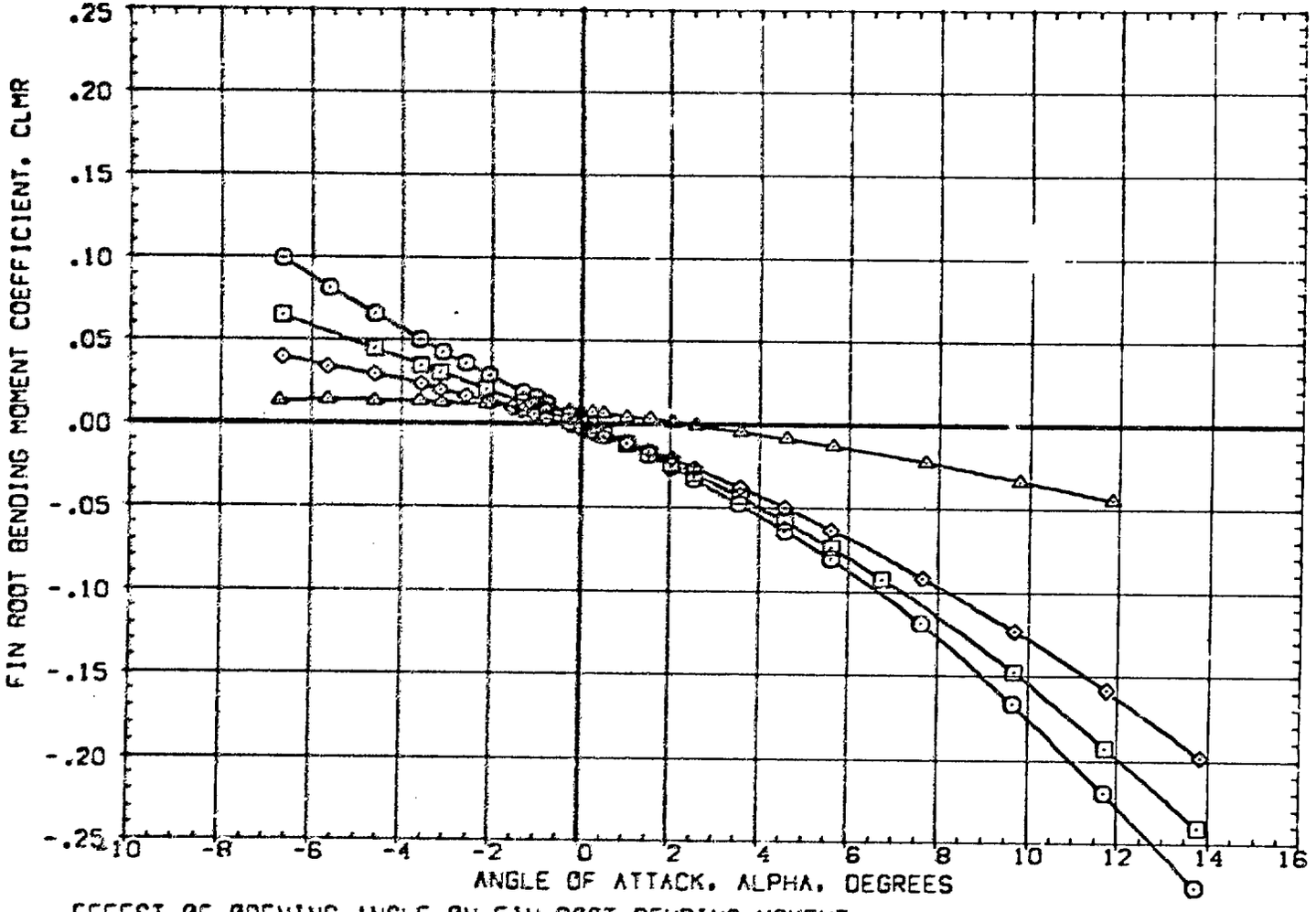
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	□	AEDC TC 273 WRAPAROUND FINS BIF
[illegible]	◇	AEDC TC 273 WRAPAROUND FINS BIF
[illegible]	△	AEDC TC 273 WRAPAROUND FINS BIF
[illegible]	⊙	AEDC TC 273 WRAPAROUND FINS BIF

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	2.000
22.500	22.500	1.750	2.000
22.500	45.000	1.750	2.000
22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

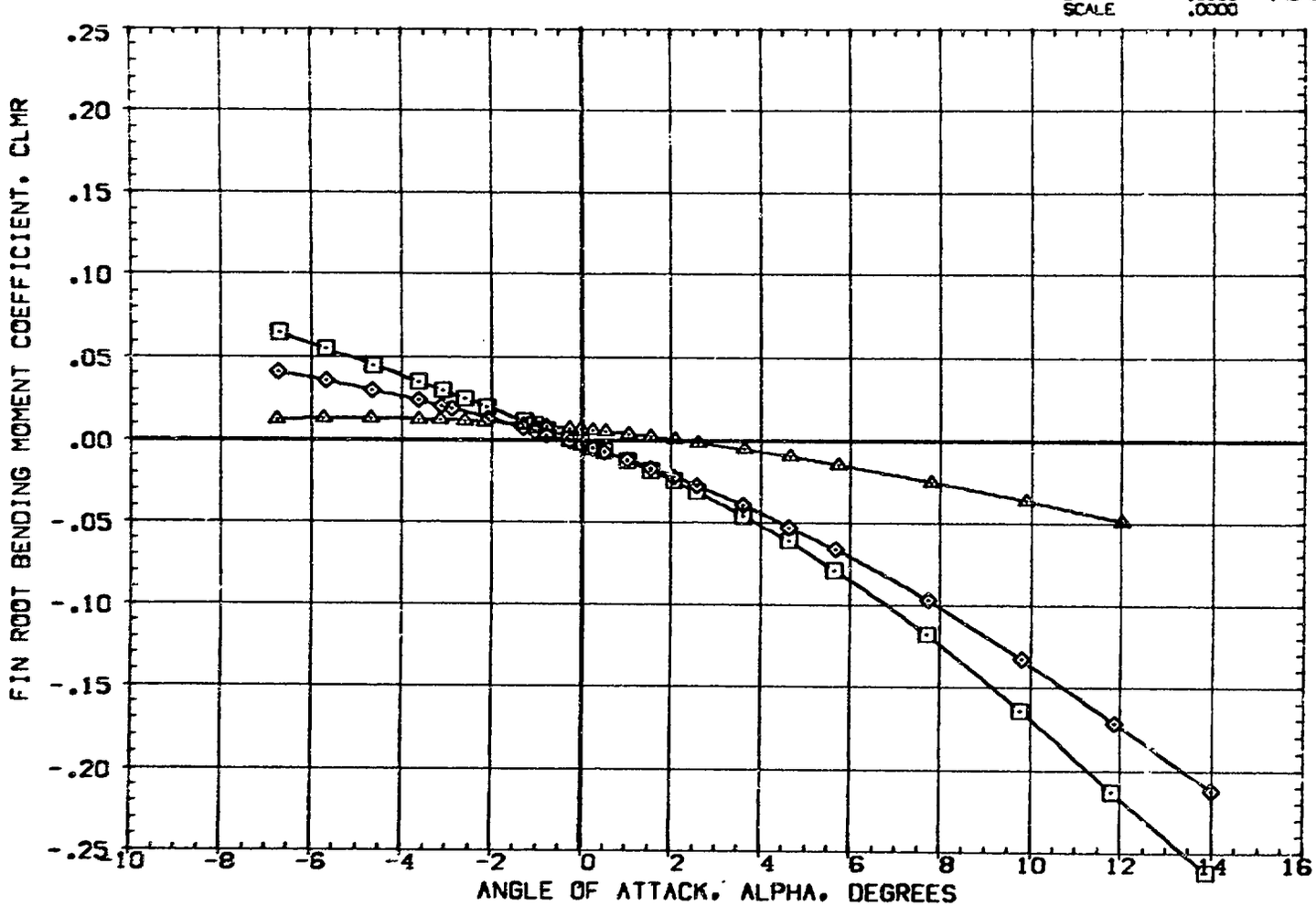


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3R02]	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	2.000
[CX3R15]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	2.000
[CX3R19]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	2.000
[CX3R23]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

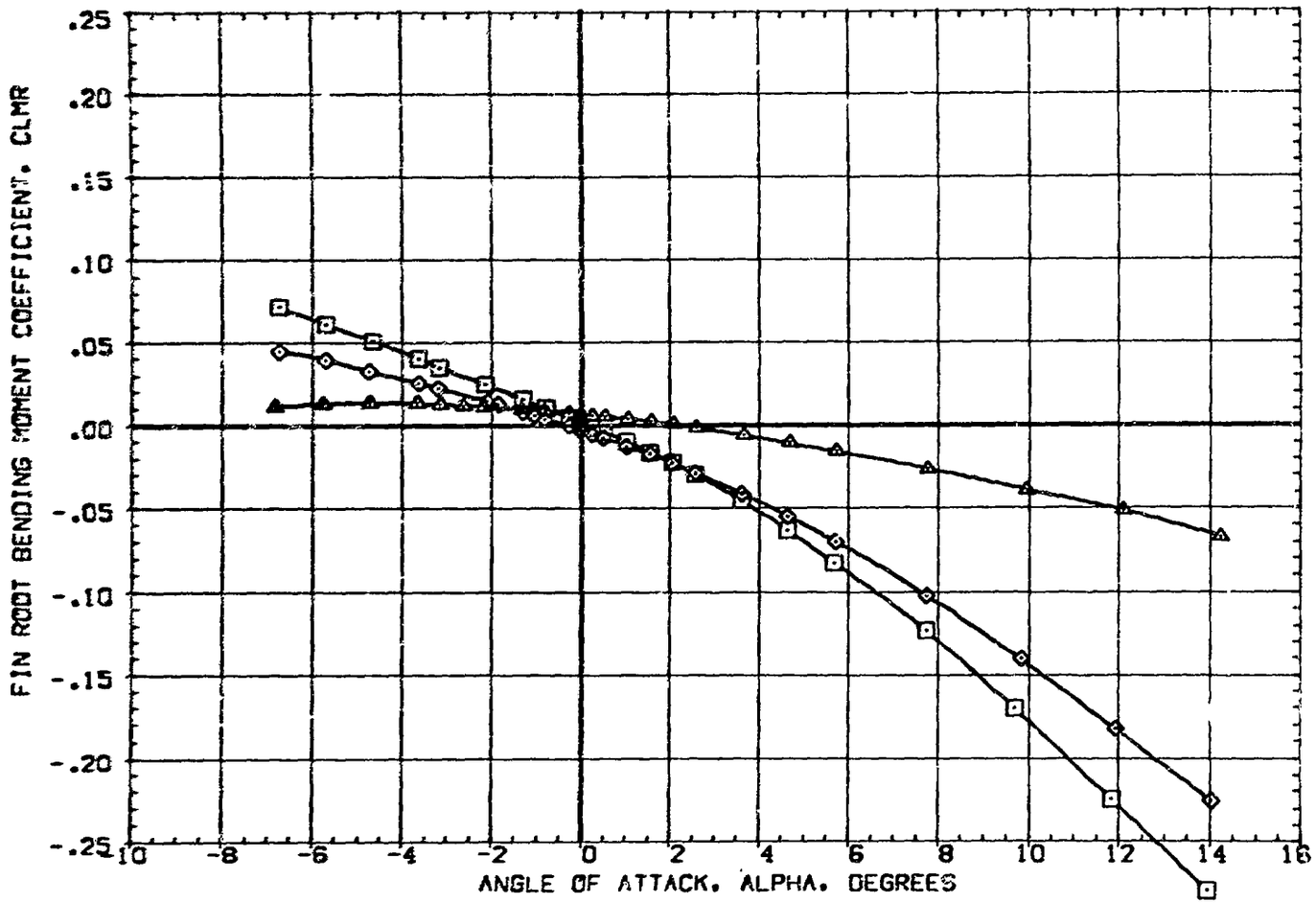


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[C]MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3R02)	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	2.000
(CX3R15)	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	22.500	1.750	2.000
(CX3R19)	□	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	45.000	1.750	2.000
(CX3R23)	△	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

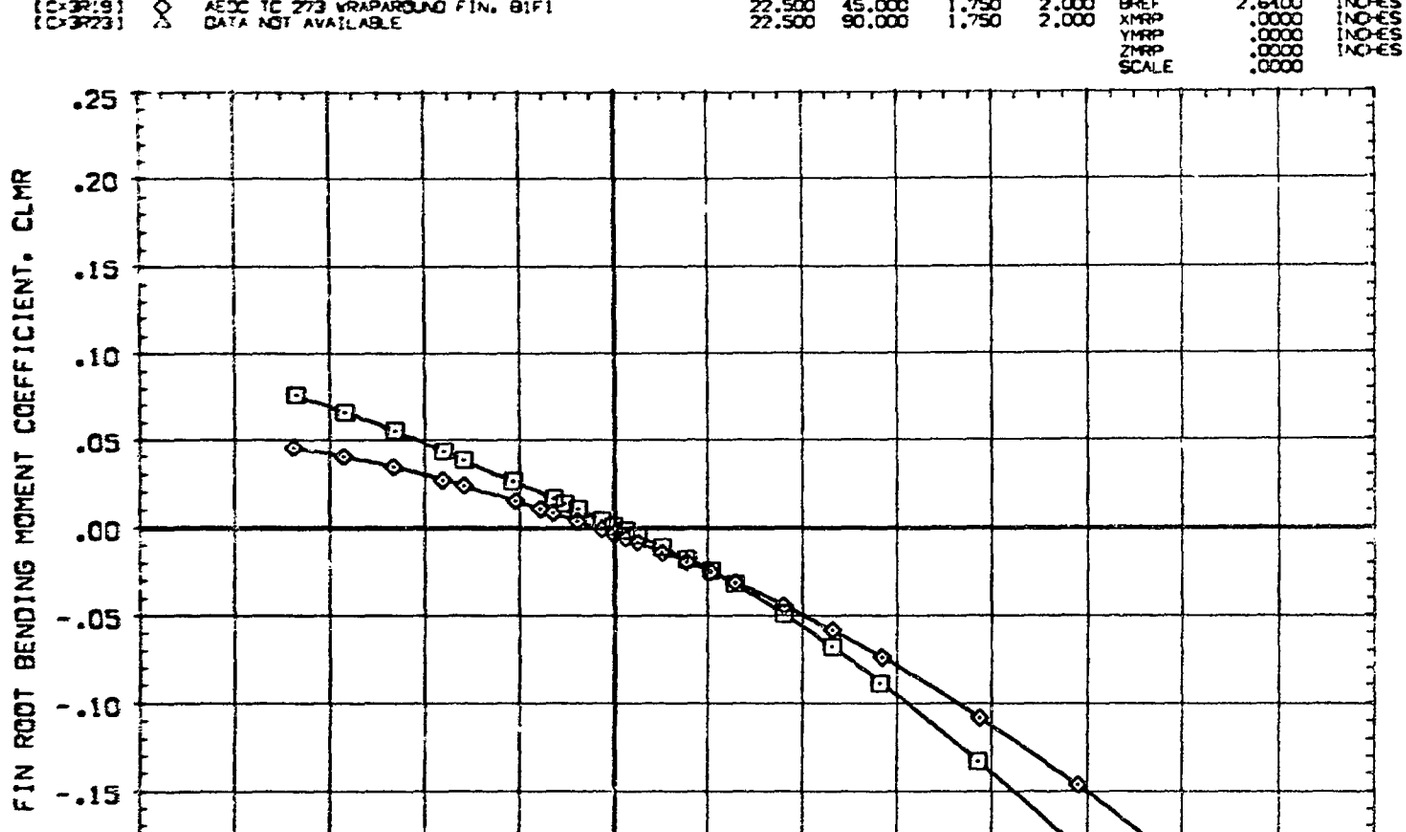


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(□)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C×3R02]	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	2.000
[C×3R15]	□	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	22.500	1.750	2.000
[C×3R19]	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	45.000	1.750	2.000
[C×3R23]	△	DATA NOT AVAILABLE	22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

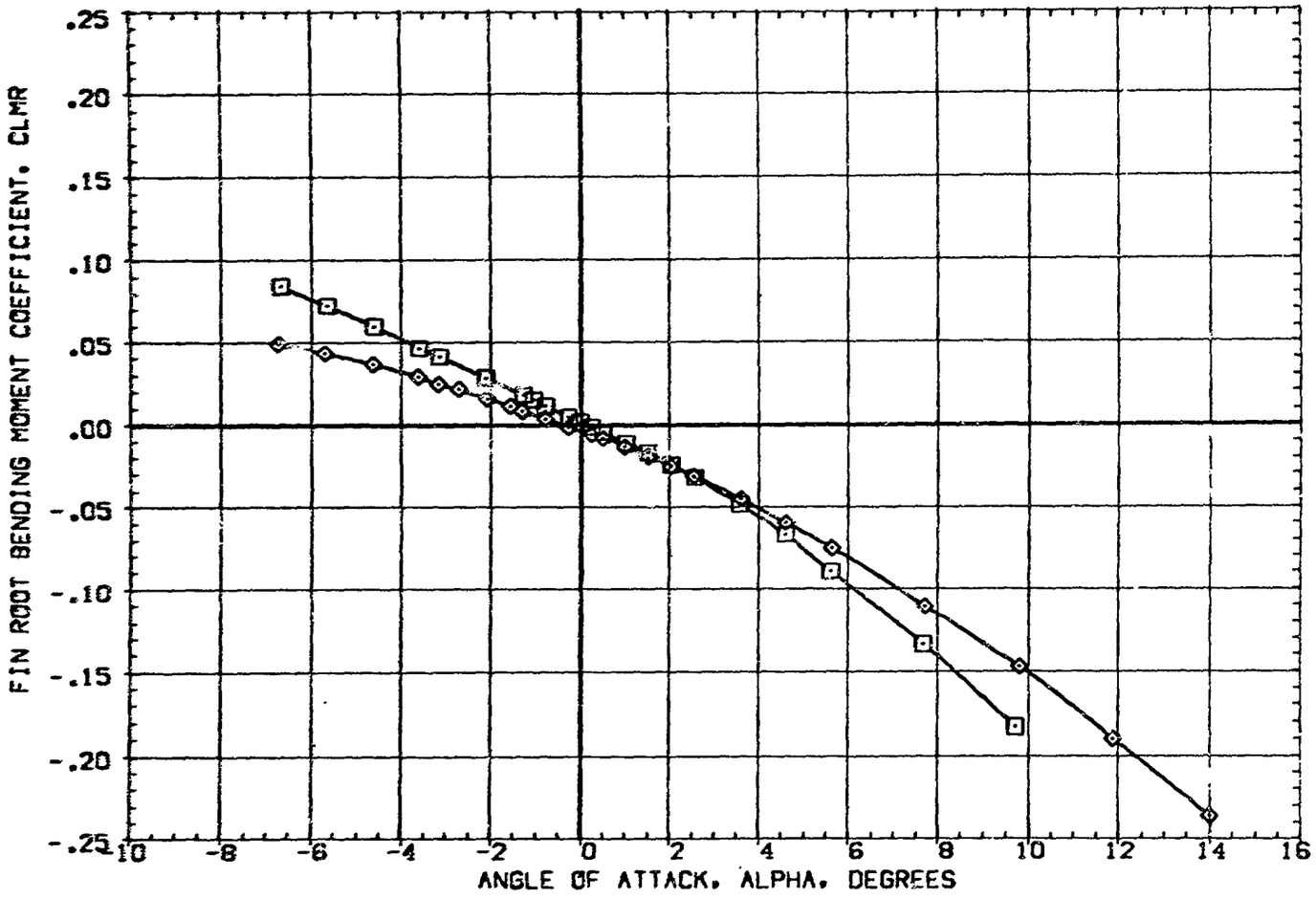


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3R02)	□	DATA NOT AVAILABLE	22.500	-10.000	1.750	2.000
(CX3R15)	○	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	22.500	1.750	2.000
(CX3R19)	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	45.000	1.750	2.000
(CX3R23)	✕	DATA NOT AVAILABLE	22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

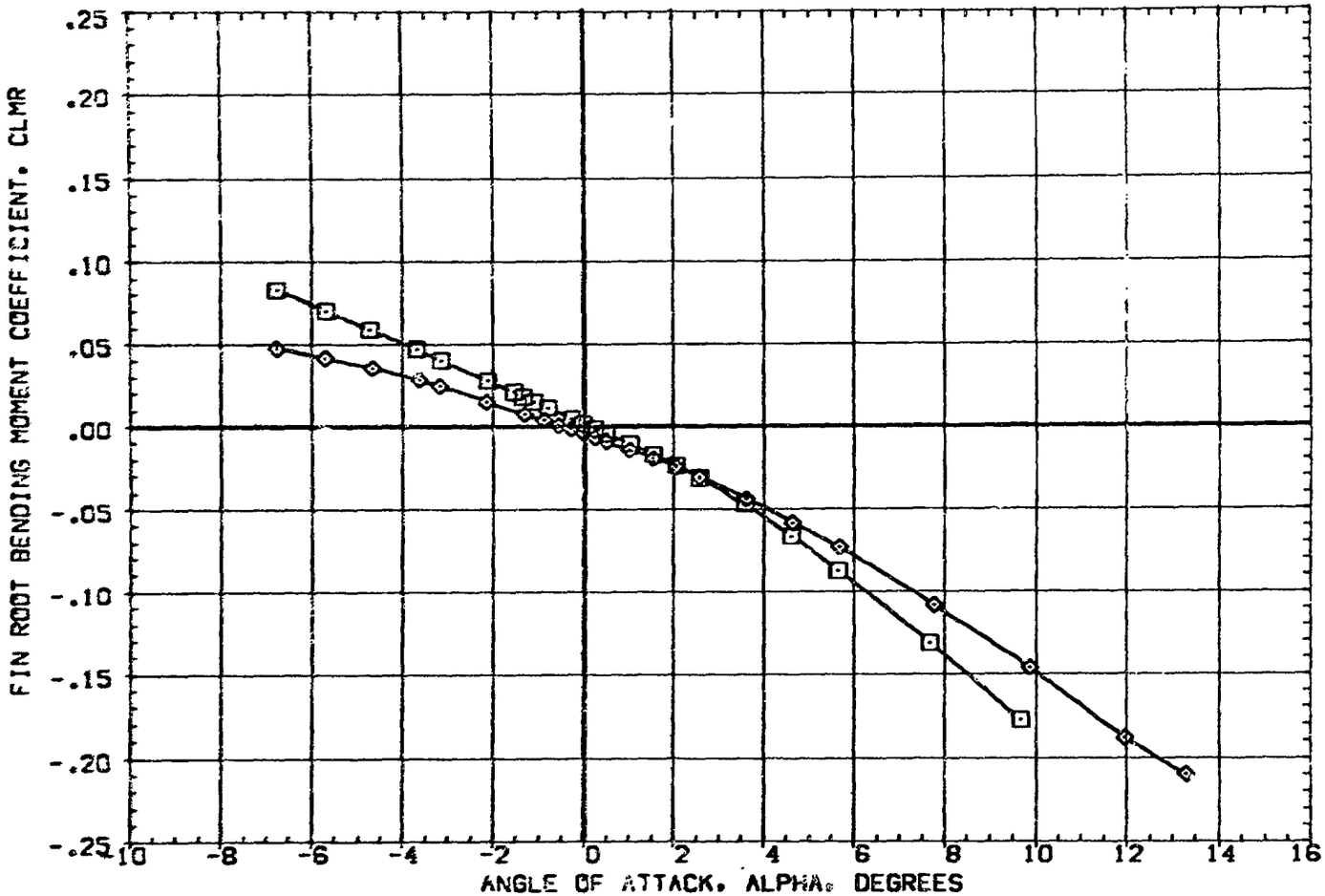


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C:3R02]	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	2.000
[C:3R15]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	2.000
[C:3R18]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	2.000
[C:3R23]	△	DATA NOT AVAILABLE	22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

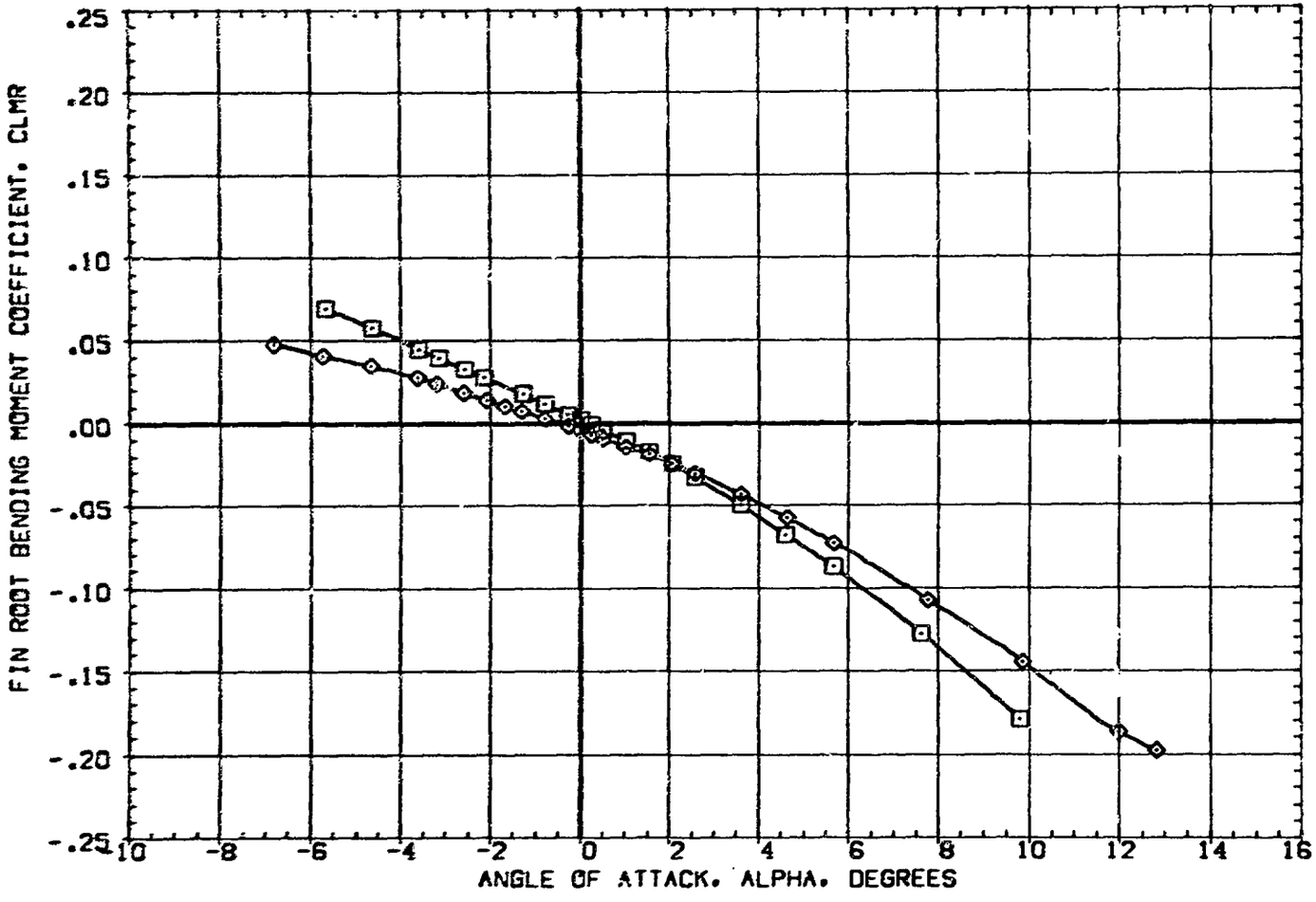


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3R22)	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	2.000
(CX3R15)	□	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	2.000
(CX3R19)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	2.300
(CX3R23)	△	DATA NOT AVAILABLE	22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



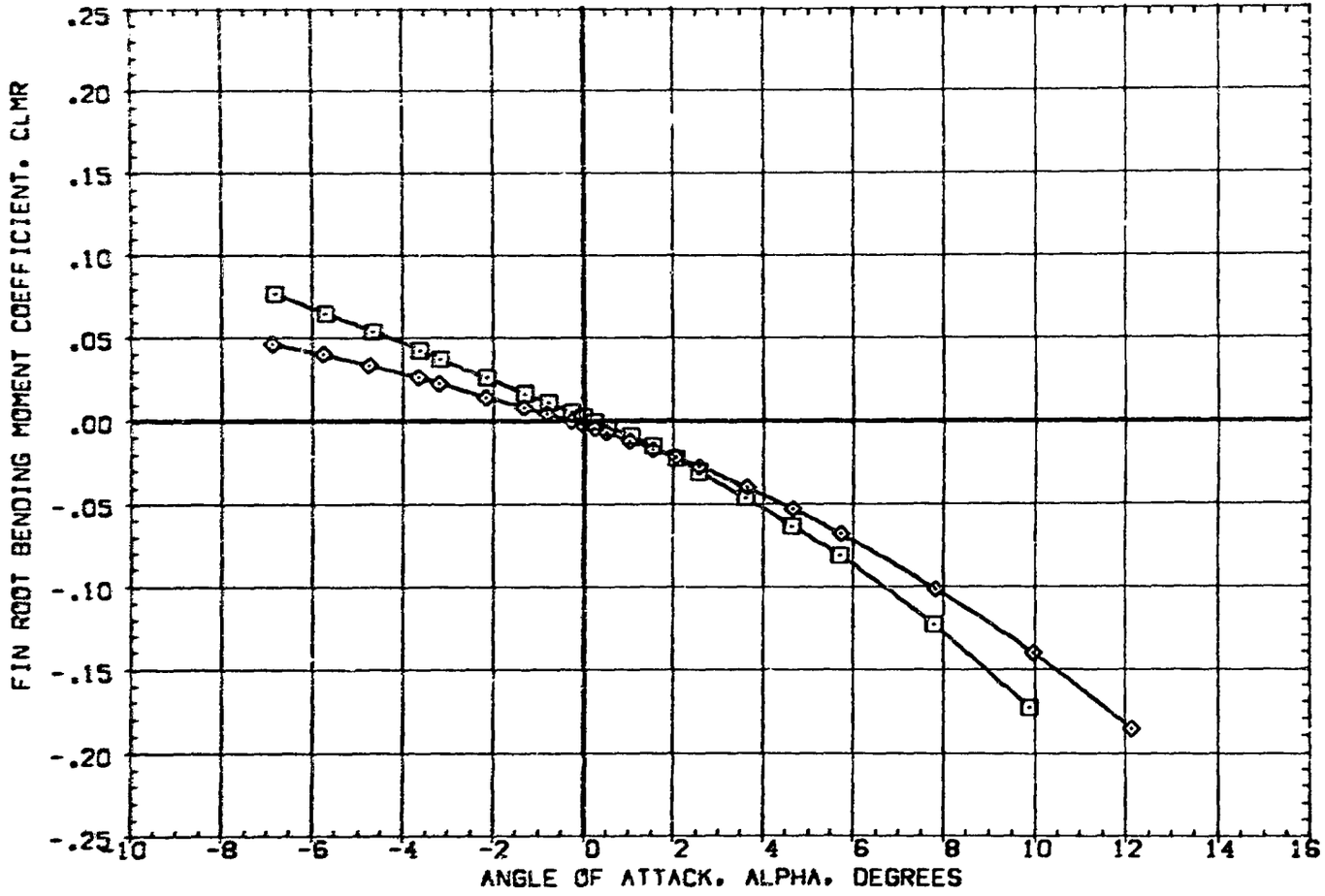
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(Cx3R22)	○	DATA NOT AVAILABLE
(Cx3R15)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3R19)	⋈	AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3R23)	⋈	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	2.000
22.500	22.500	1.750	2.000
22.500	45.000	1.750	2.000
22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

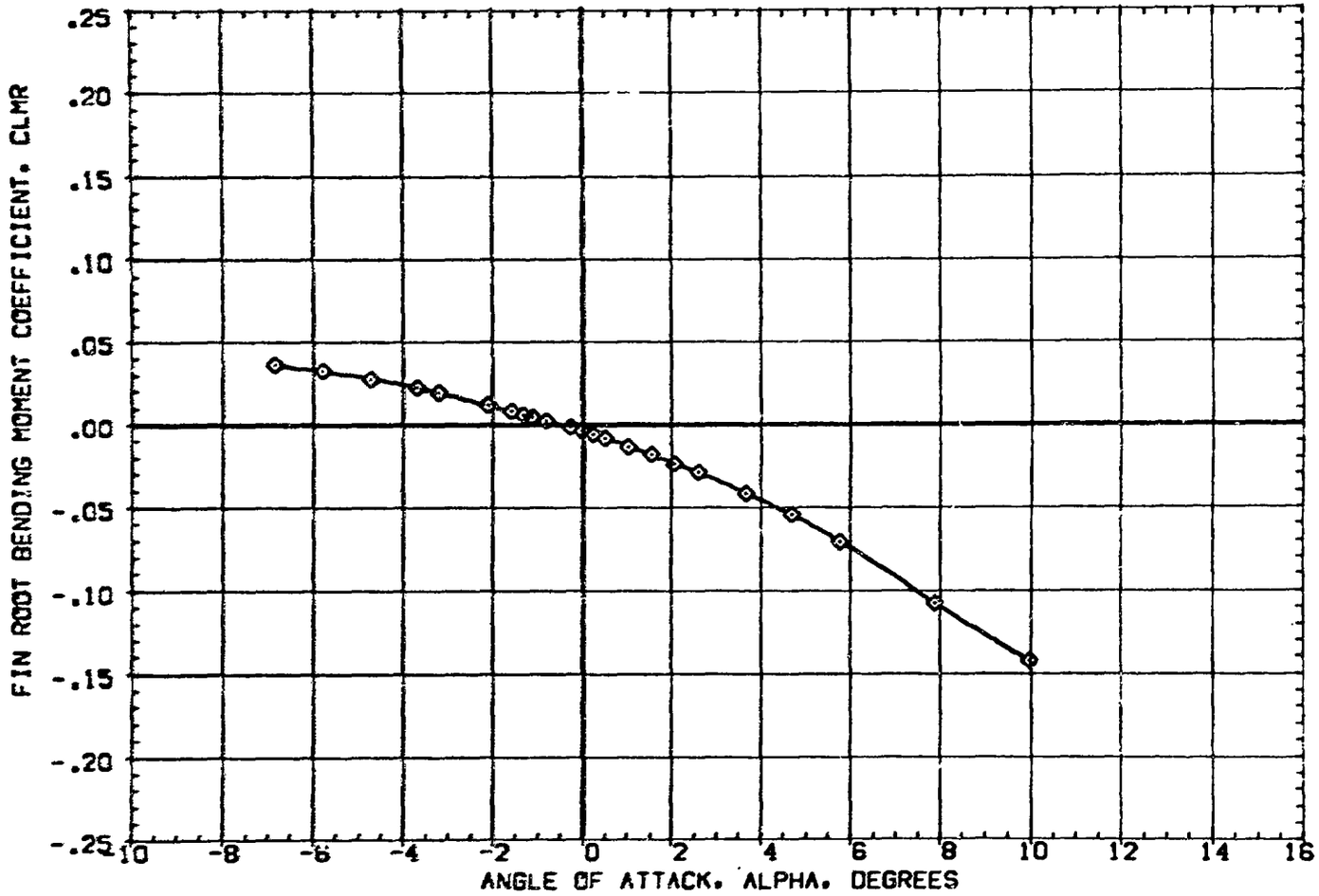


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(!)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[D]3R02]	□	DATA NOT AVAILABLE	22.500	-10.000	1.750	2.000
[D]3R15]	◇	DATA NOT AVAILABLE	22.500	22.500	1.750	2.000
[D]3R15]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	2.000
[D]3R23]	△	DATA NOT AVAILABLE	22.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

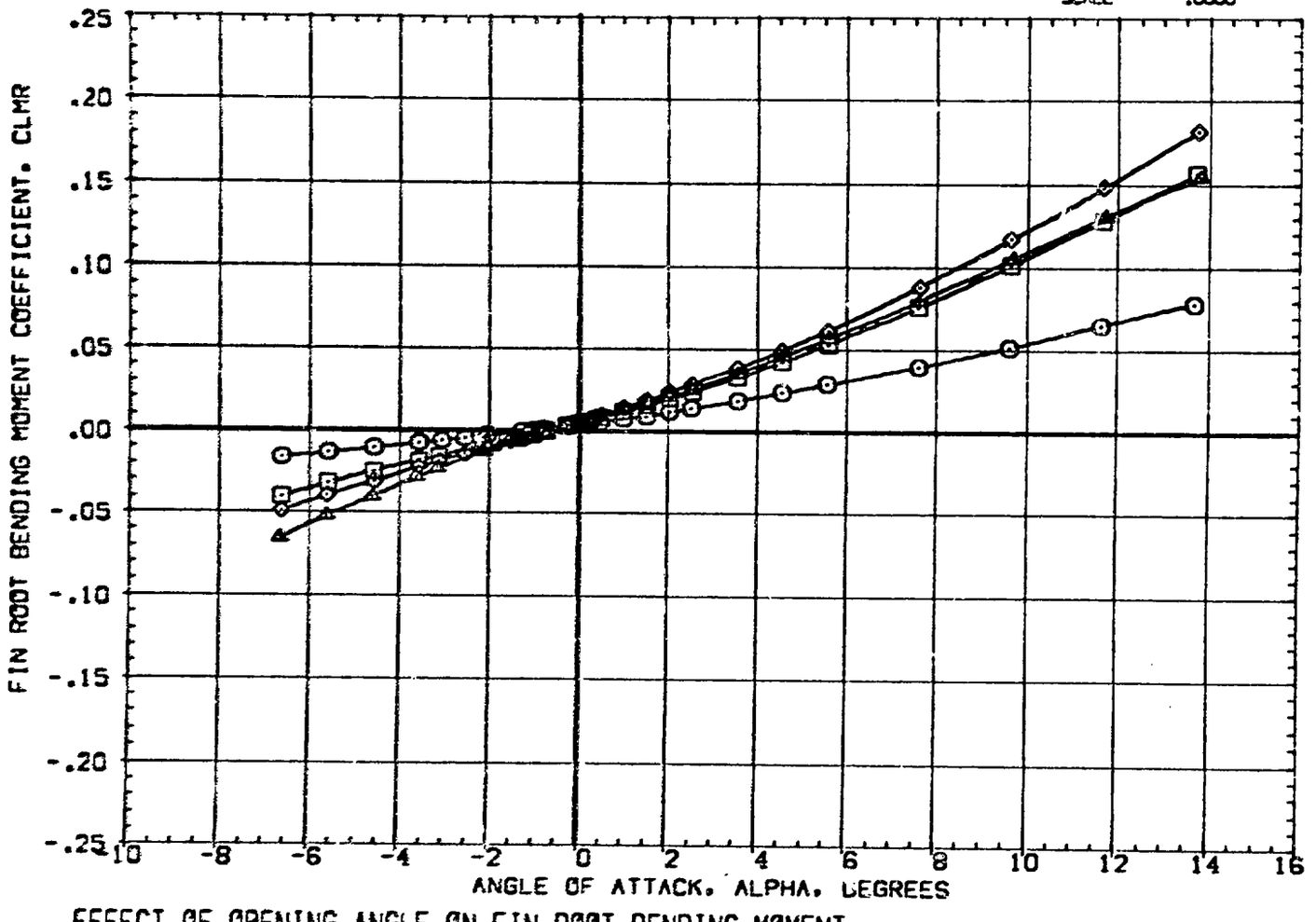


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(0x3,021)	◇	AERC TC 273 YRAPAROUND FIN, BIF1	22.500	-10.000	1.750	3.000
(0x3,151)	□	AERC TC 273 YRAPAROUND FIN, BIF1	22.500	22.500	1.750	3.000
(0x3,191)	△	AERC TC 273 YRAPAROUND FIN, BIF1	22.500	45.000	1.750	3.000
(0x3,231)	○	AERC TC 273 YRAPAROUND FIN, BIF1	22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

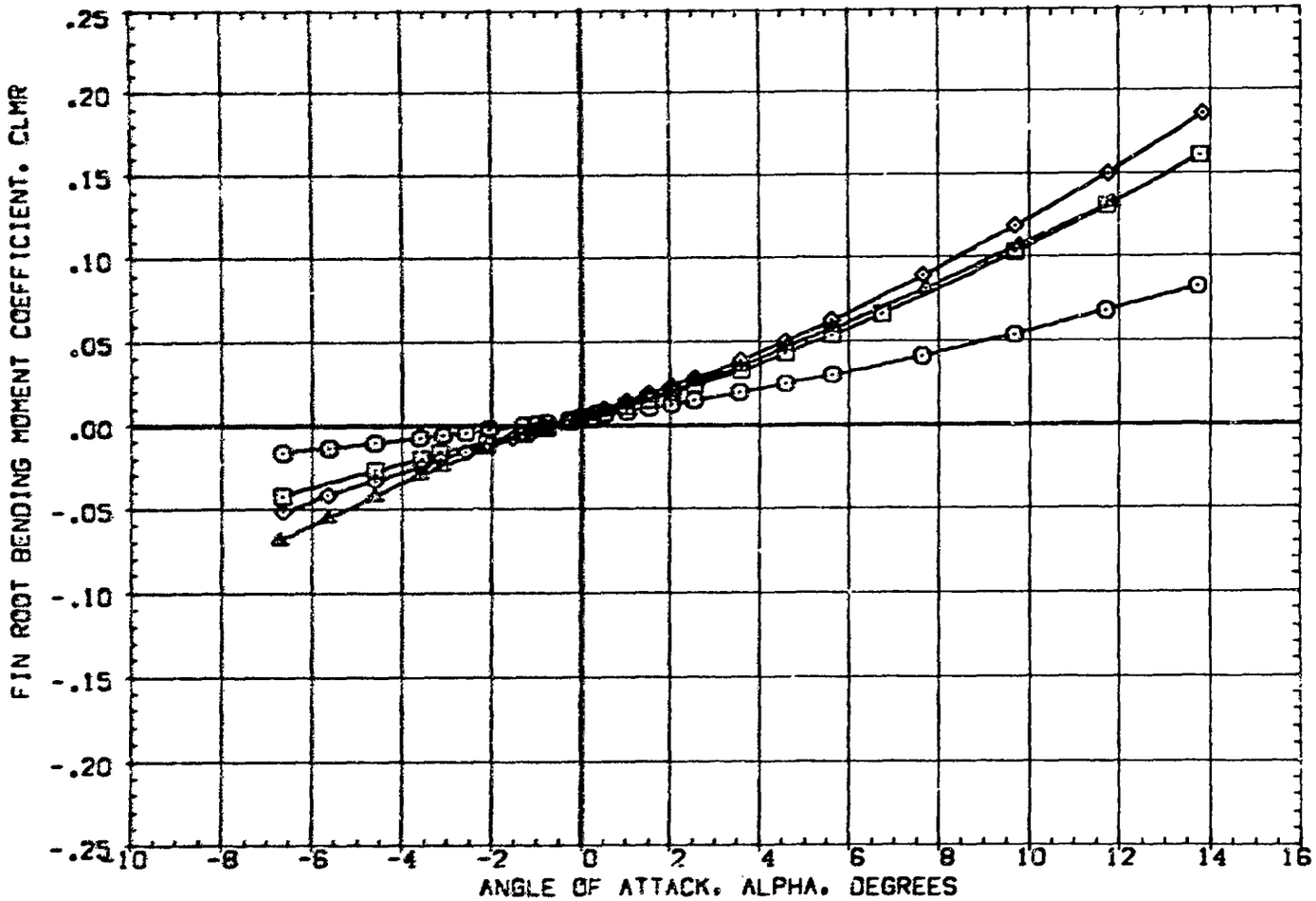


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	○	AEDC 1C 273 VRAPAROUND FIN, B1F1	22.500	-10.000	1.750	3.000
[illegible]	□	AEDC 1C 273 VRAPAROUND FIN, B1F1	22.500	22.500	1.750	3.000
[illegible]	◇	AEDC 1C 273 VRAPAROUND FIN, B1F1	22.500	45.000	1.750	3.000
[illegible]	▷◁	AEDC 1C 273 VRAPAROUND FIN, B1F1	22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

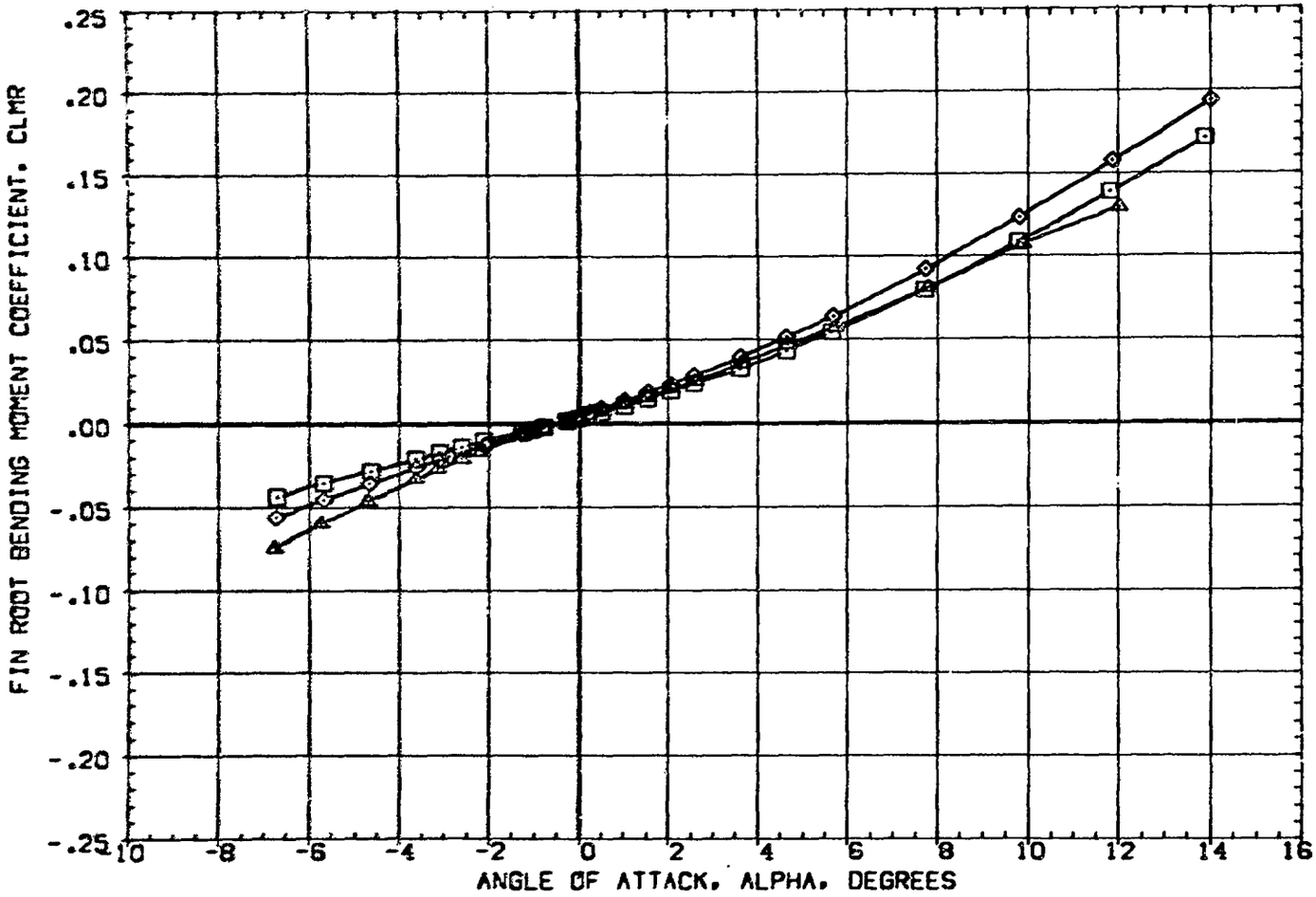


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3L02		DATA NOT AVAILABLE	22.500	-10.000	1.750	3.000
(C)3L15		AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	3.000
(C)3L19		AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	3.000
(C)3L23		AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



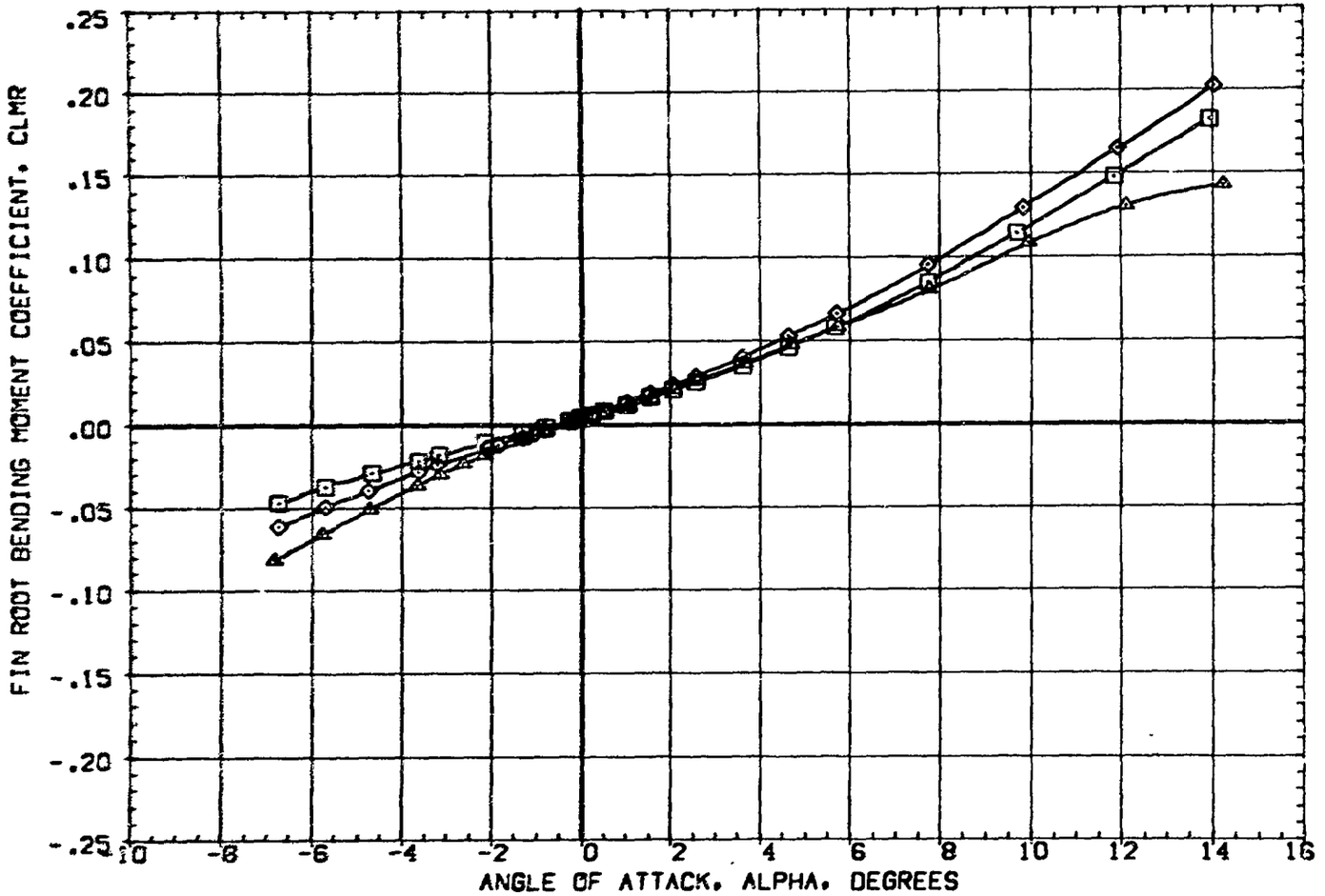
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C)3.021	□	DATA NOT AVAILABLE
(C)3.151	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(C)3.191	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1
(C)3.231	△	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	3.000
22.500	22.500	1.750	3.000
22.500	45.000	1.750	3.000
22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.6000	INCHES
SCALE	.0000	

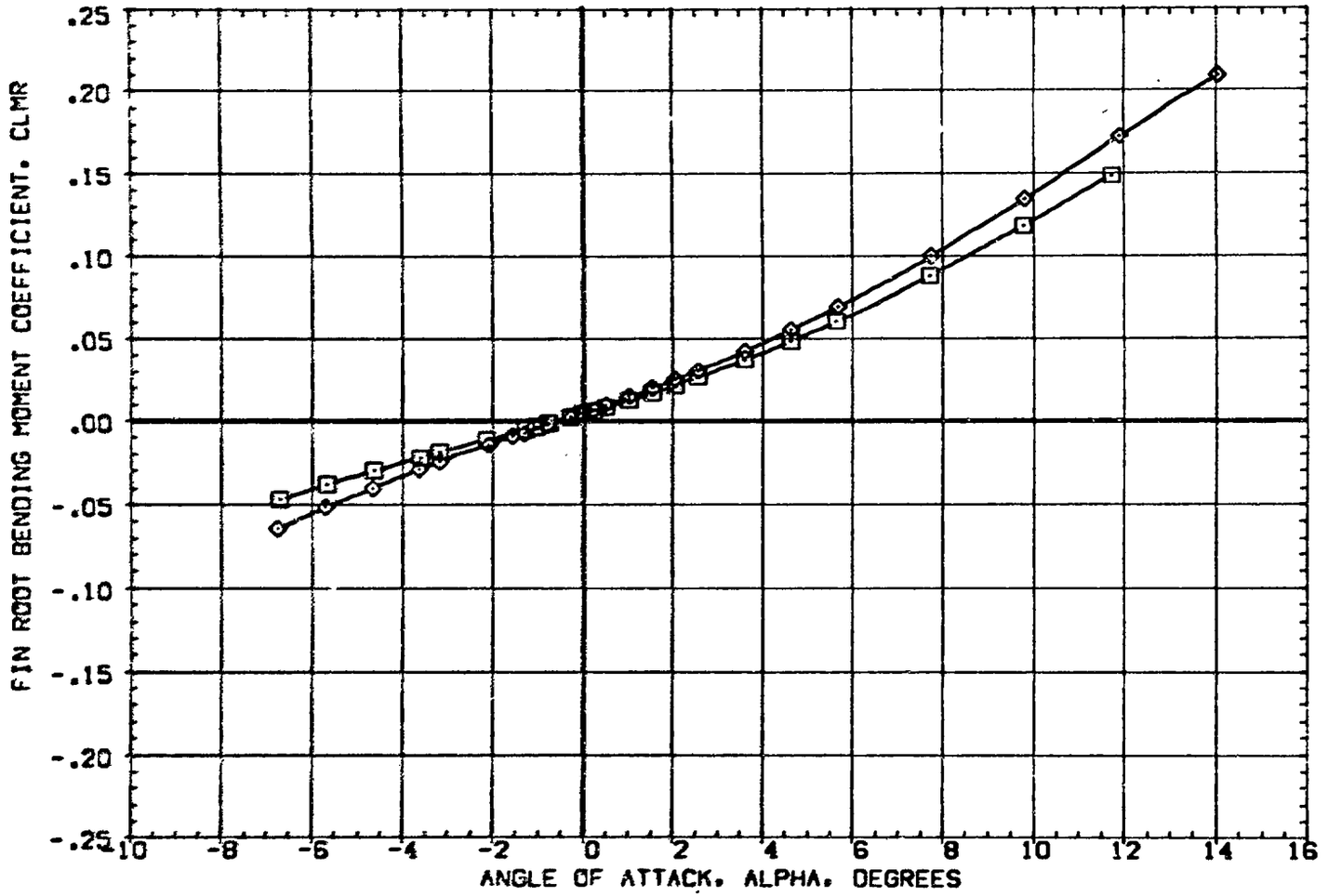


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3,02)	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	3.000
(C)3,15)	◇	AEDC TC 273 VRAPAROUND FIN, BIF1	22.500	22.500	1.750	3.000
(C)3,19)	⊗	AEDC TC 273 VRAPAROUND FIN, BIF1	22.500	45.000	1.750	3.000
(C)3,23)	△	DATA NOT AVAILABLE	22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	19.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

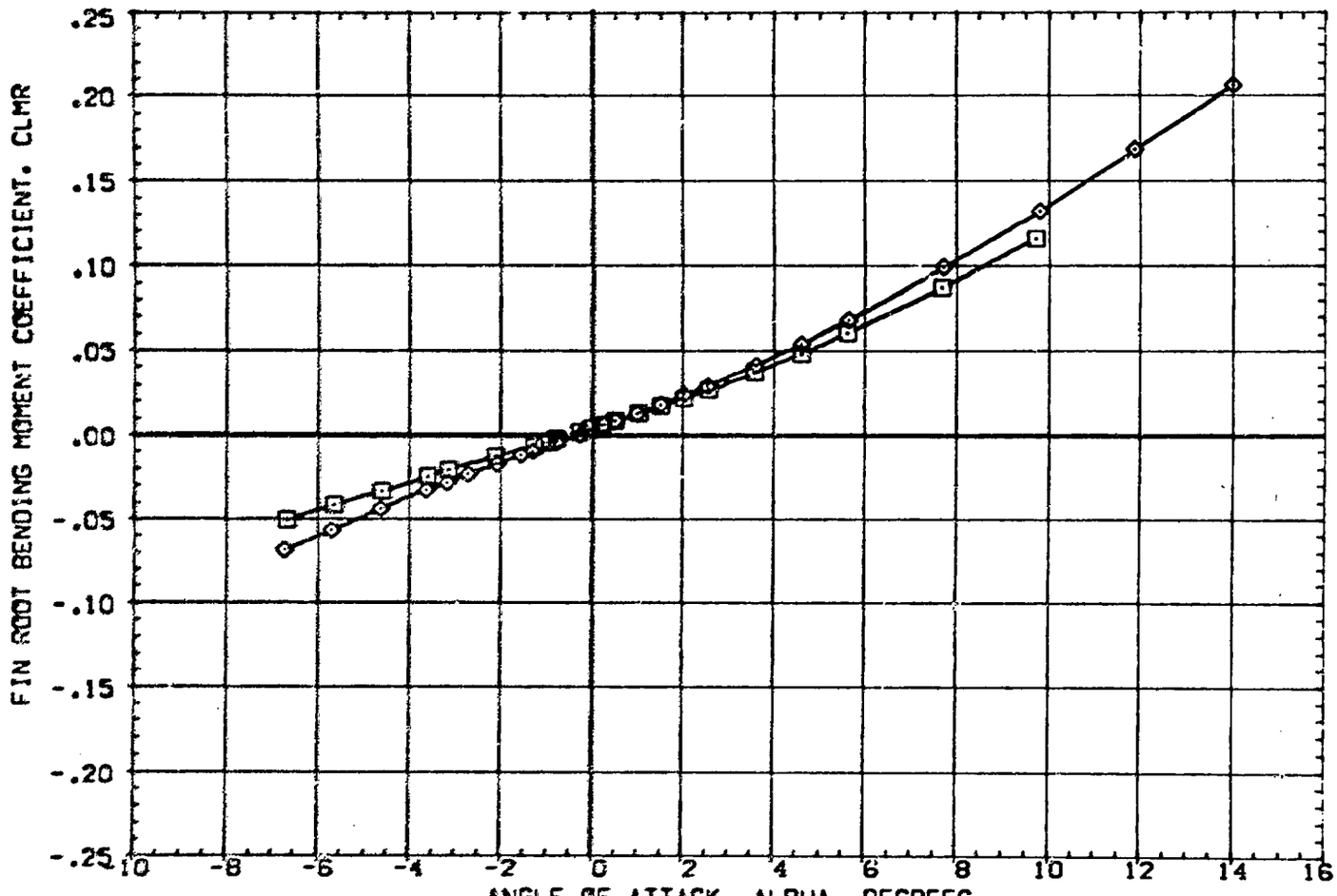


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3,02)	○	DATA NOT AVAILABLE	22.500	-10.000	1.750	3.000
(CX3,15)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	3.000
(CX3,19)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	3.000
(CX3,23)	⊠	DATA NOT AVAILABLE	22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

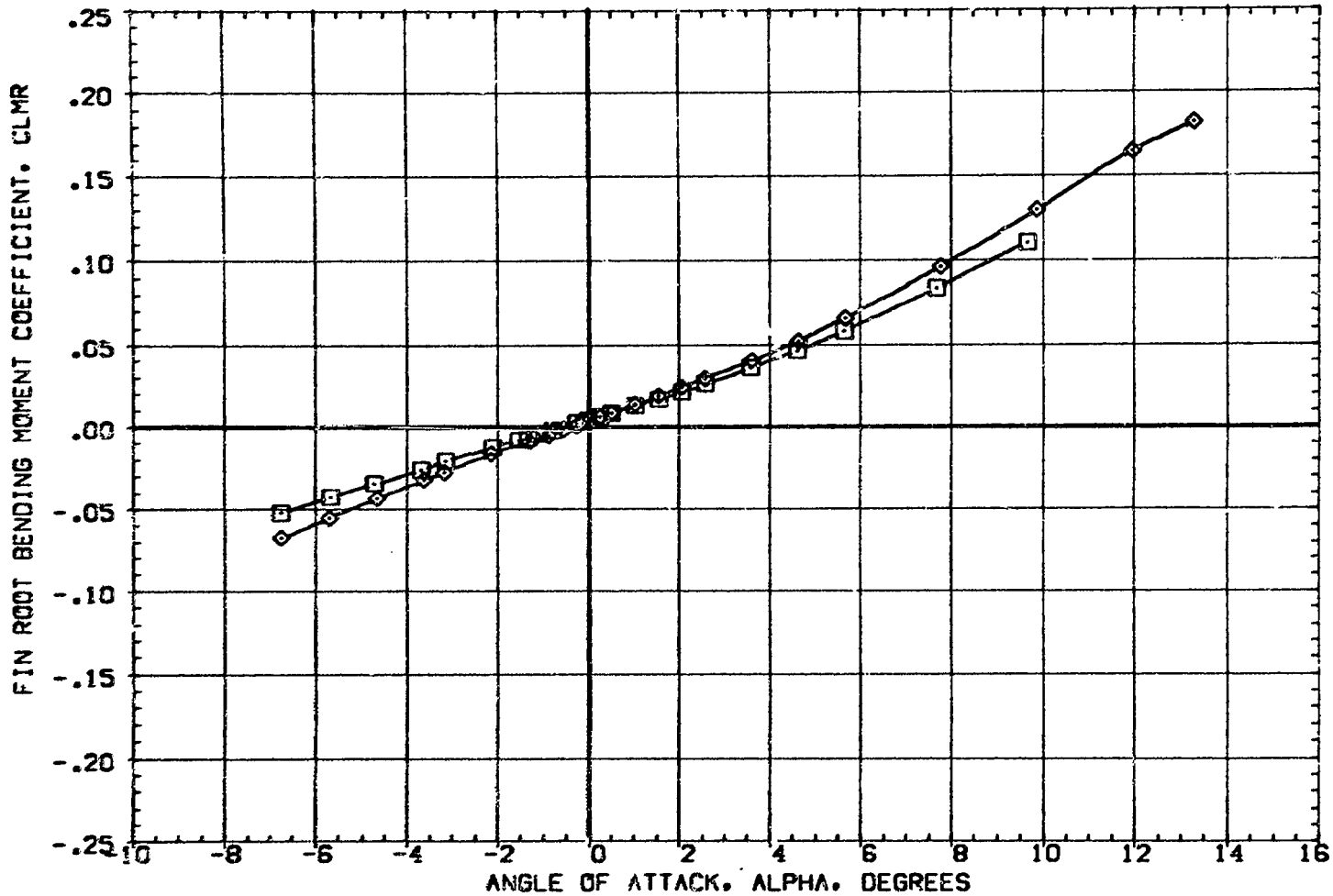


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3,07]	○	DATA NOT AVAILABLE				
[CX3,15]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	-10.000	1.750	3.000
[CX3,19]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	3.000
[CX3,23]	△	DATA NOT AVAILABLE	22.500	45.000	1.750	3.000
			22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



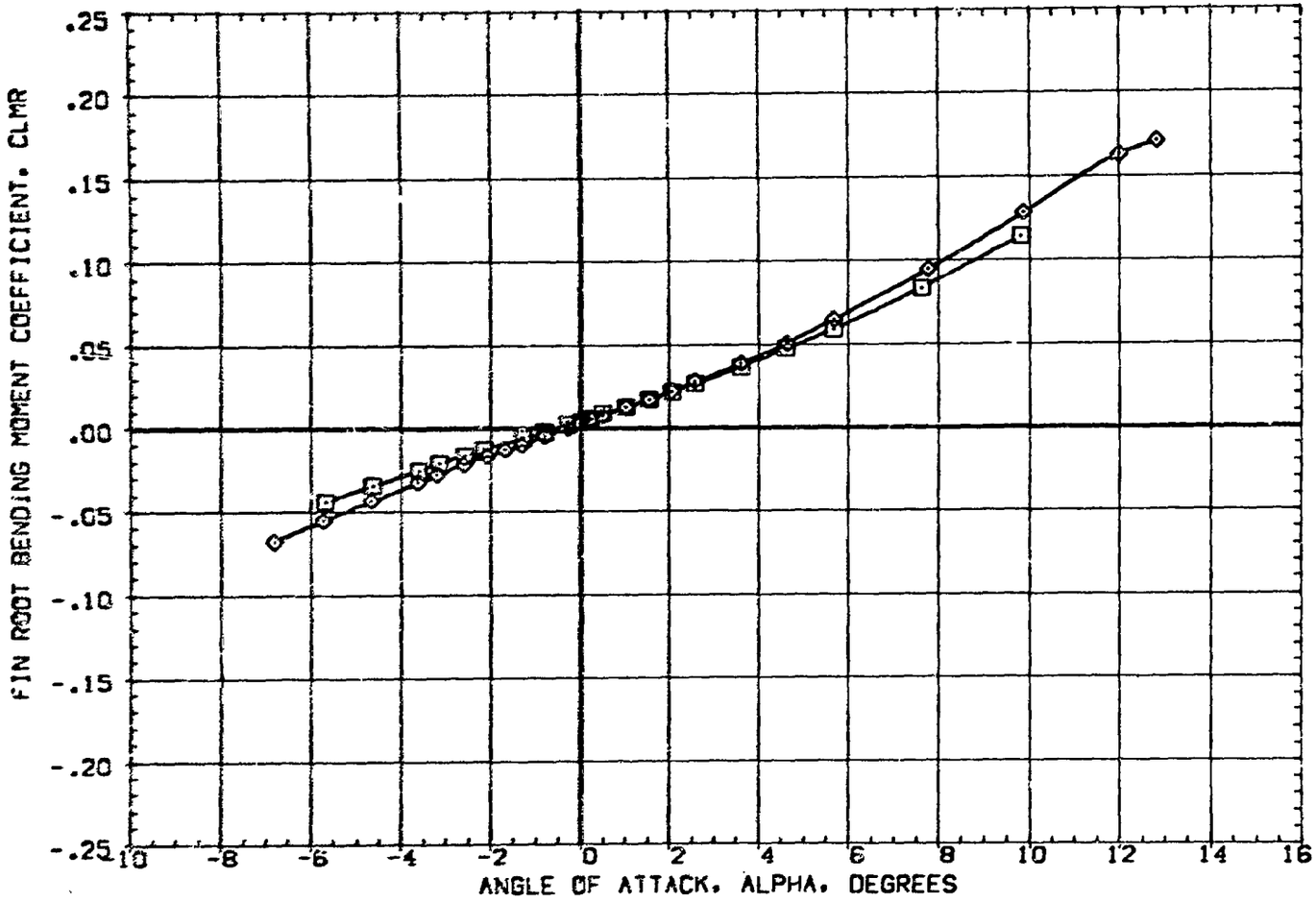
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[G]MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3,02]	○	DATA NOT AVAILABLE
[CX3,15]	◇	AEDC TC 273 WRAPAROUND FIN, BIF]
[CX3,18]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF]
[CX3,23]	⧖	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	3.000
22.500	22.500	1.750	3.000
22.500	45.000	1.750	3.000
22.500	90.000	1.750	00

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



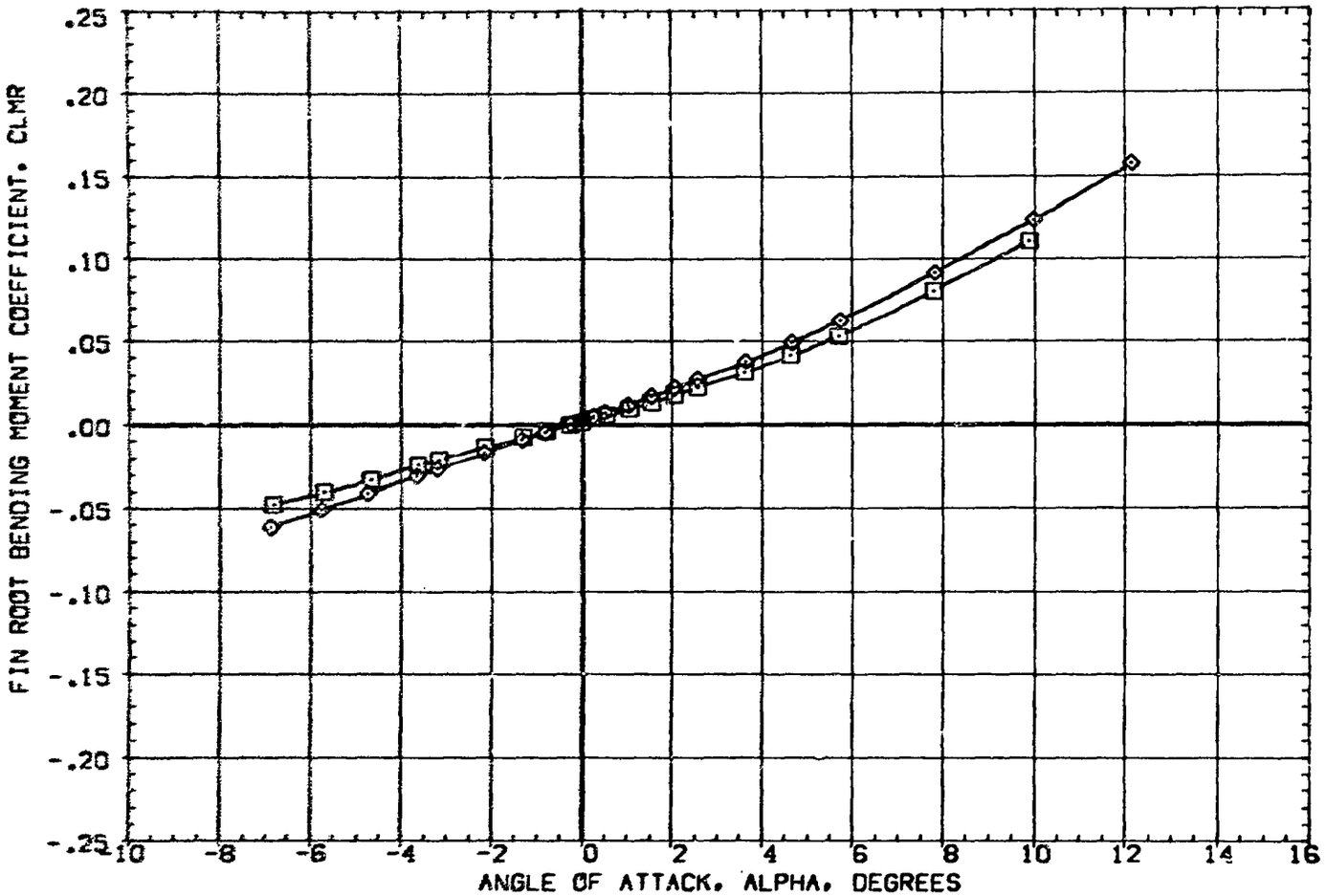
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3,02)	○	DATA NOT AVAILABLE
(CX3,15)	◇	AEDC TC 273 WRAPAROUND FIN, B1F1
(CX3,19)	⊗	AEDC TC 273 WRAPAROUND FIN, B1F1
(CX3,23)	X	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	3.000
22.500	22.500	1.750	3.000
22.500	45.0000	1.750	3.000
22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

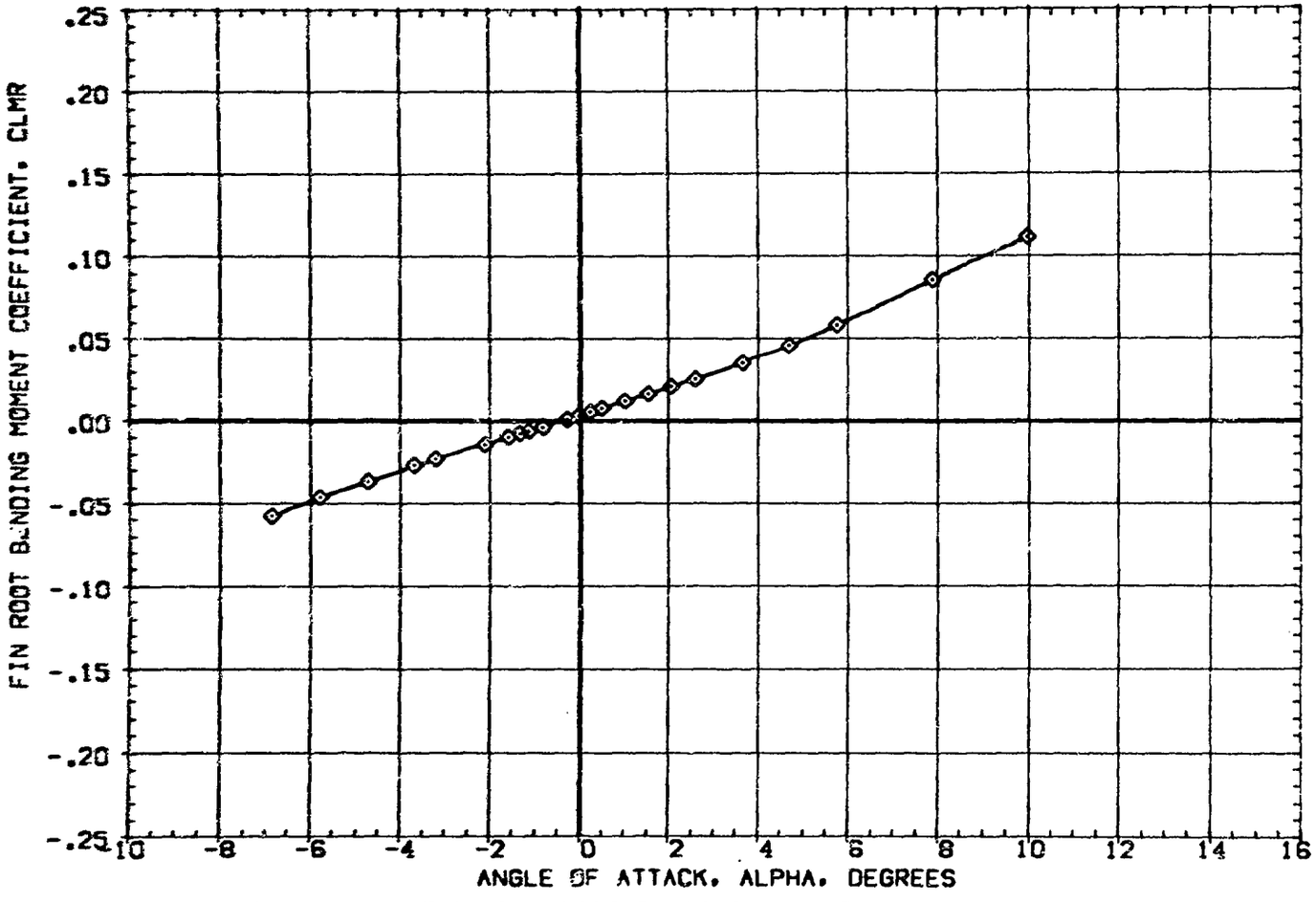


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(1)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3,02)	◇	DATA NOT AVAILABLE	22.500	-10.000	1.750	3.000
(CX3,15)	□	DATA NOT AVAILABLE	22.500	22.500	1.750	3.000
(CX3,18)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	3.000
(CX3,23)	△	DATA NOT AVAILABLE	22.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

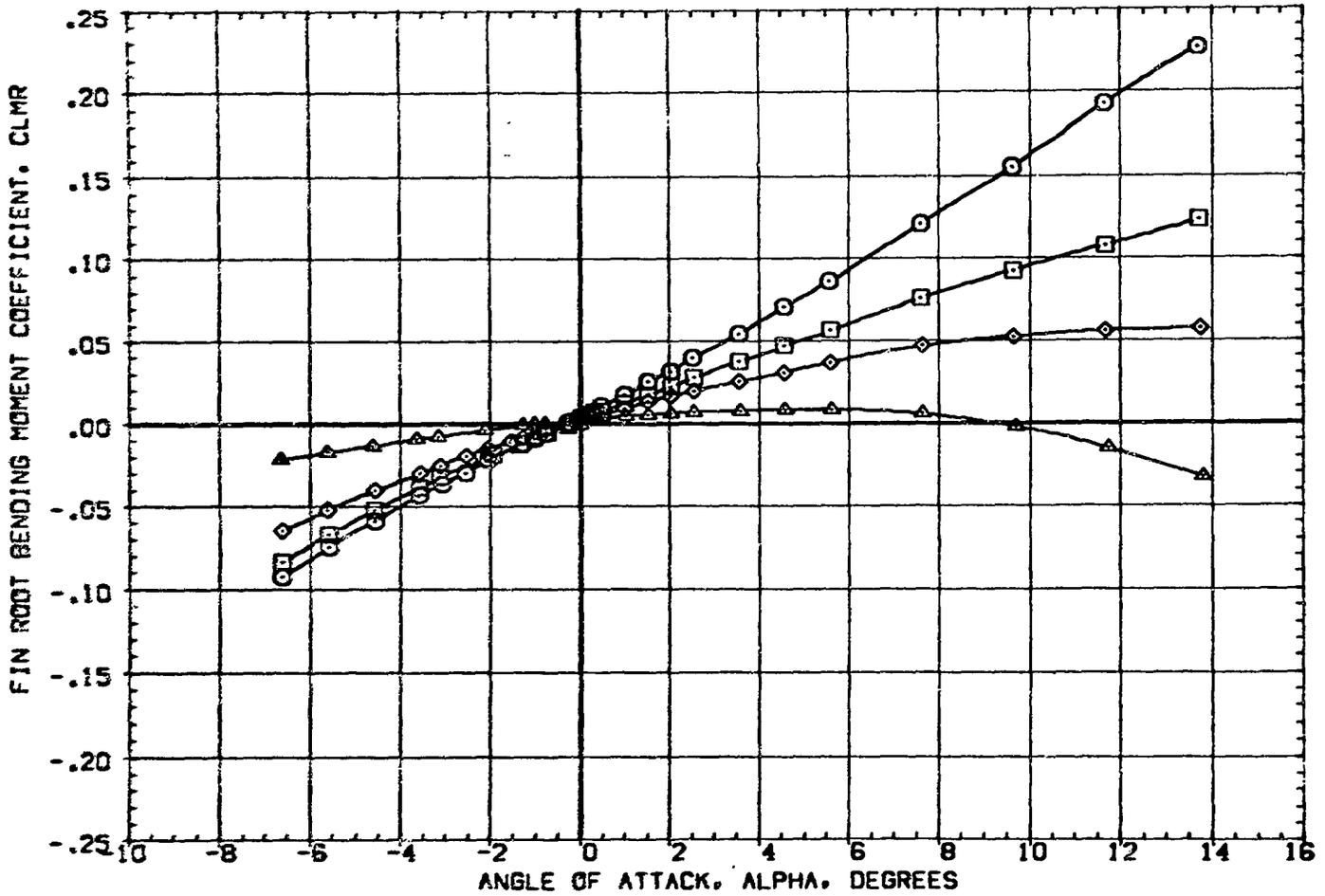


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3,01)	○	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	-10.000	1.750	4.000
(CX3,15)	⊡	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	22.500	1.750	4.000
(CX3,18)	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	45.000	1.750	4.000
(CX3,21)	△	AEDC TC 273 WRAPAROUND FIN, B1F1	22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

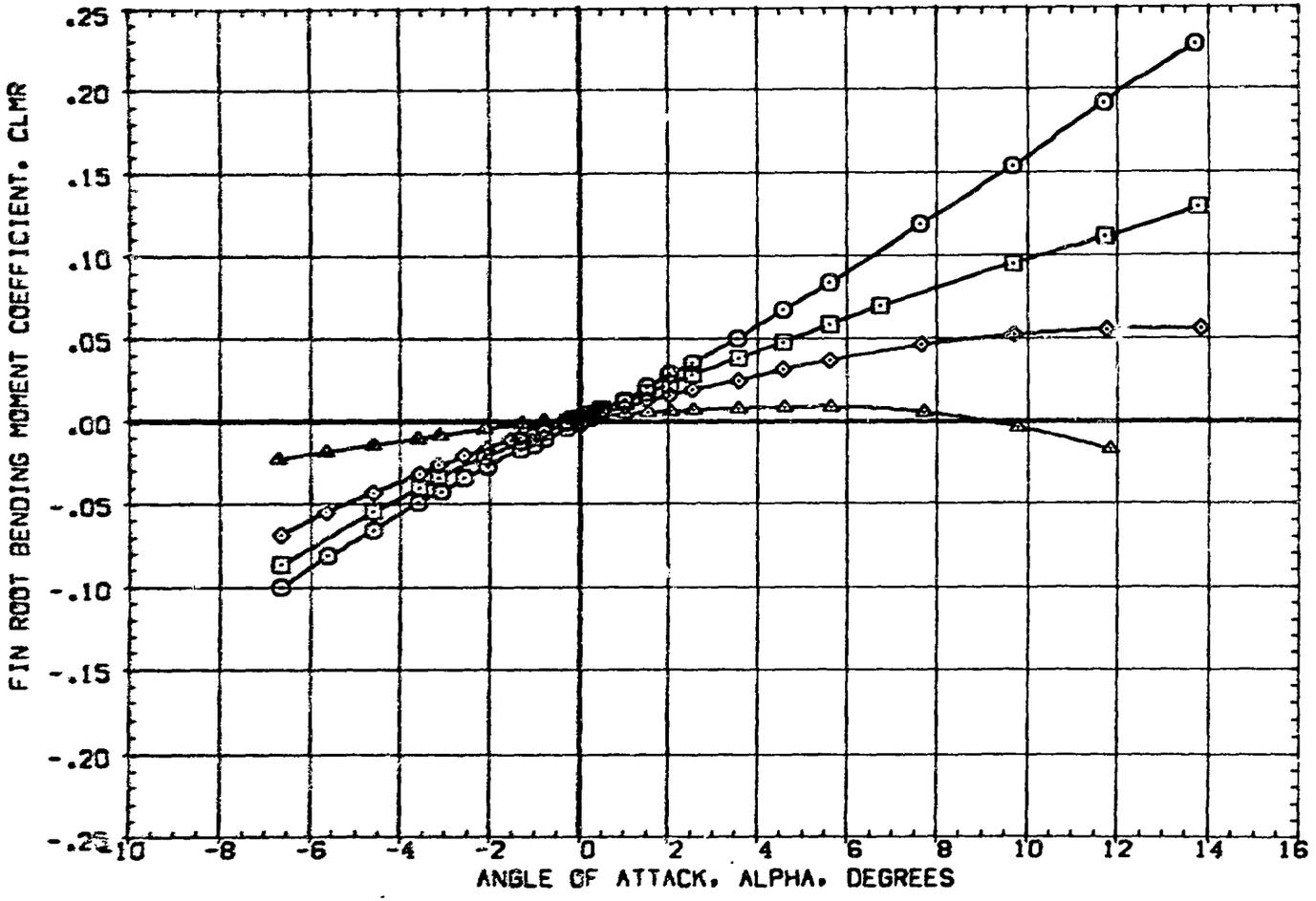


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX1,02)	○	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	-10.000	1.750	4.000
(CX1,15)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	4.000
(CX1,19)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	4.000
(CX1,23)	△	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

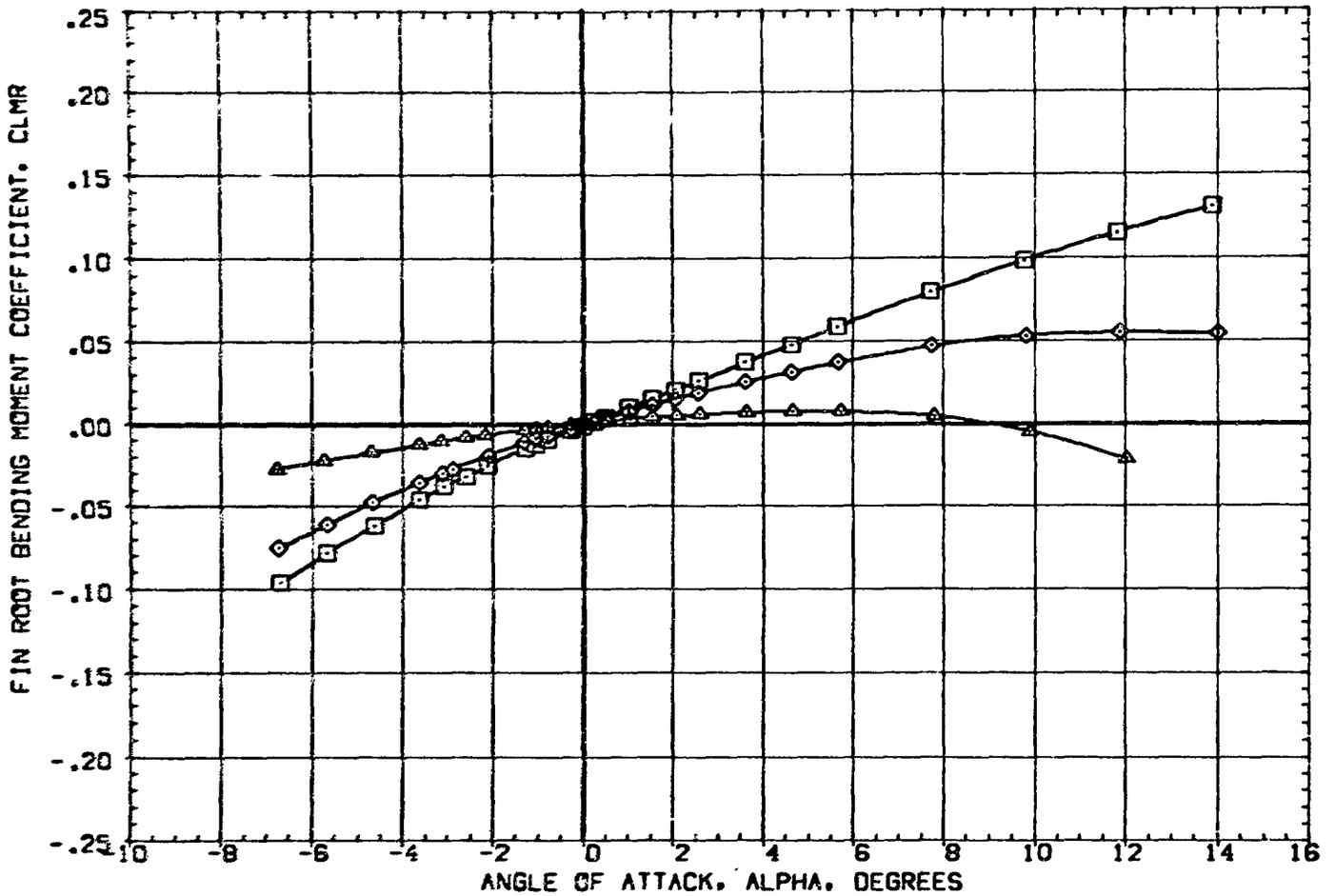


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]021	□	DATA NOT AVAILABLE	22.500	-10.000	1.750	4.000
[illegible]151	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	4.000
[illegible]191	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	4.000
[illegible]231	△	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

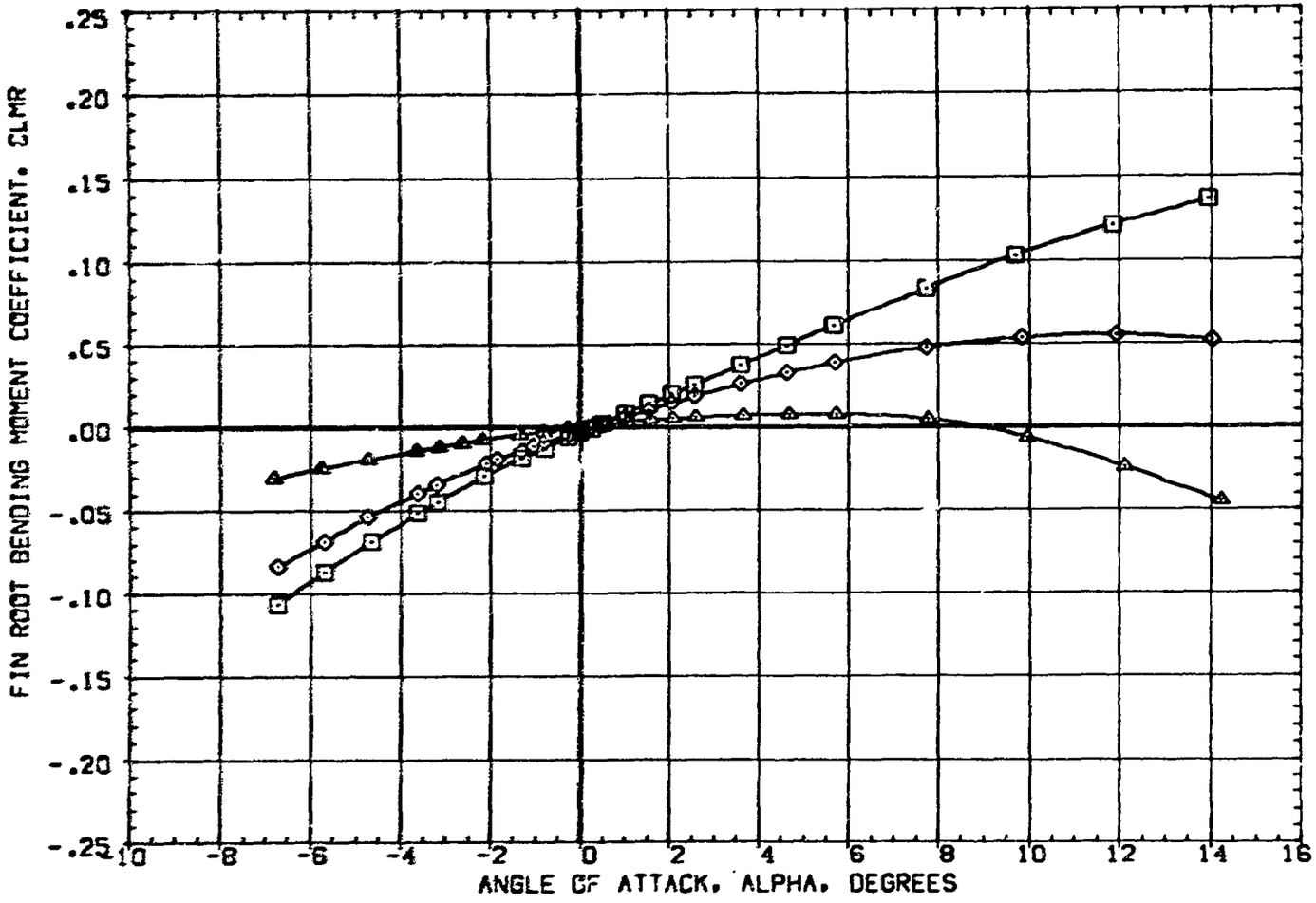


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3.02)	□	DATA NOT AVAILABLE	22.500	-10.000	1.750	4.000
(C)3.15)	◇	AEDC TC 273 VRIAPAROUND FIN, BIF)	22.500	22.500	1.750	4.000
(C)3.19)	◇	AEDC TC 273 VRIAPAROUND FIN, BIF)	22.500	45.000	1.750	4.000
(C)3.23)	△	AEDC TC 273 VRIAPAROUND FIN, BIF)	22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

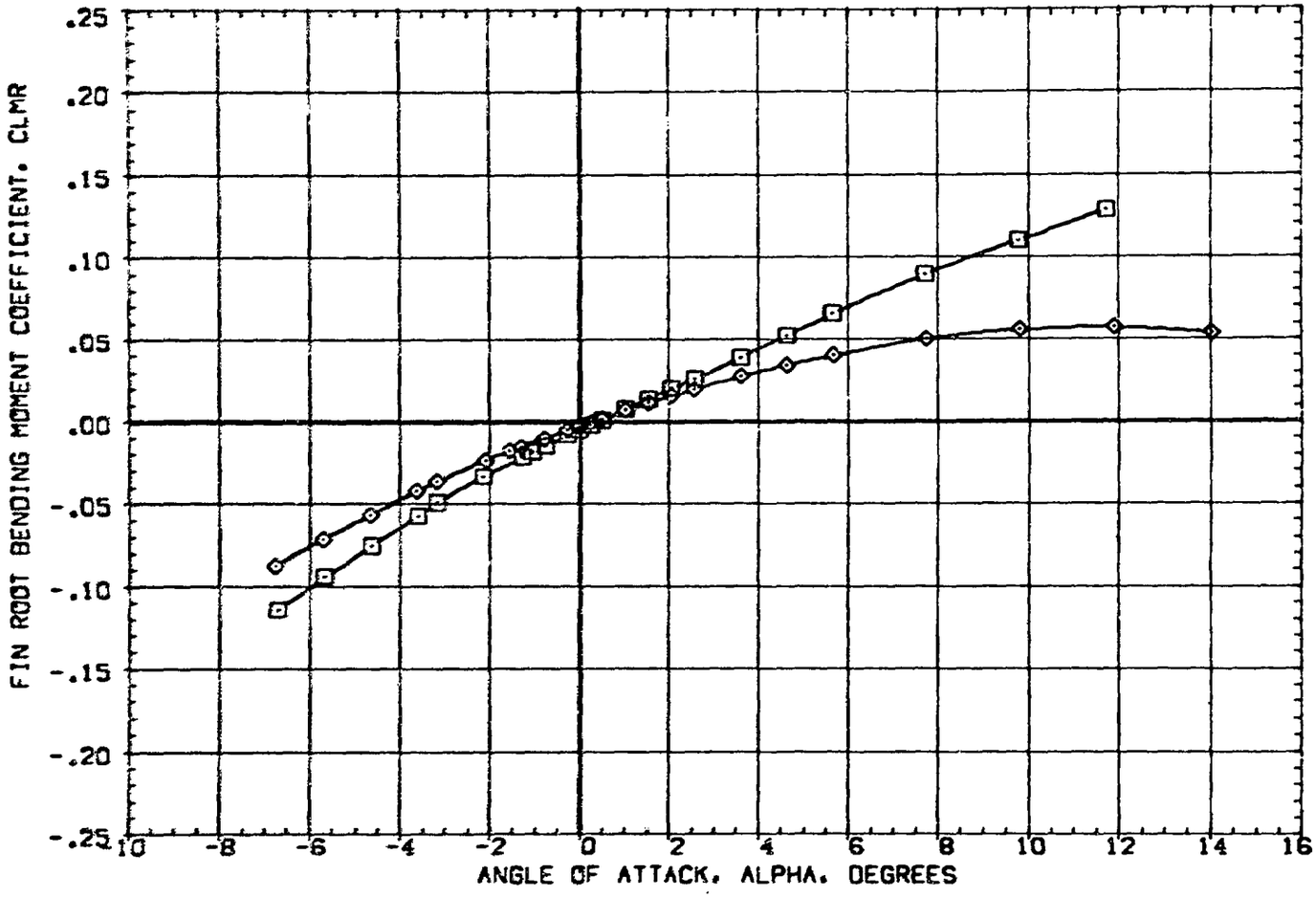


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[3.02]	□	DATA NOT AVAILABLE	22.500	-10.000	1.750	4.000
[3.15]	◇	AEDC TC 273 WRAPAROUND FIN, BIF]	22.500	22.500	1.750	4.000
[3.18]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF]	22.500	45.000	1.750	4.000
[3.23]	⊠	DATA NOT AVAILABLE	22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

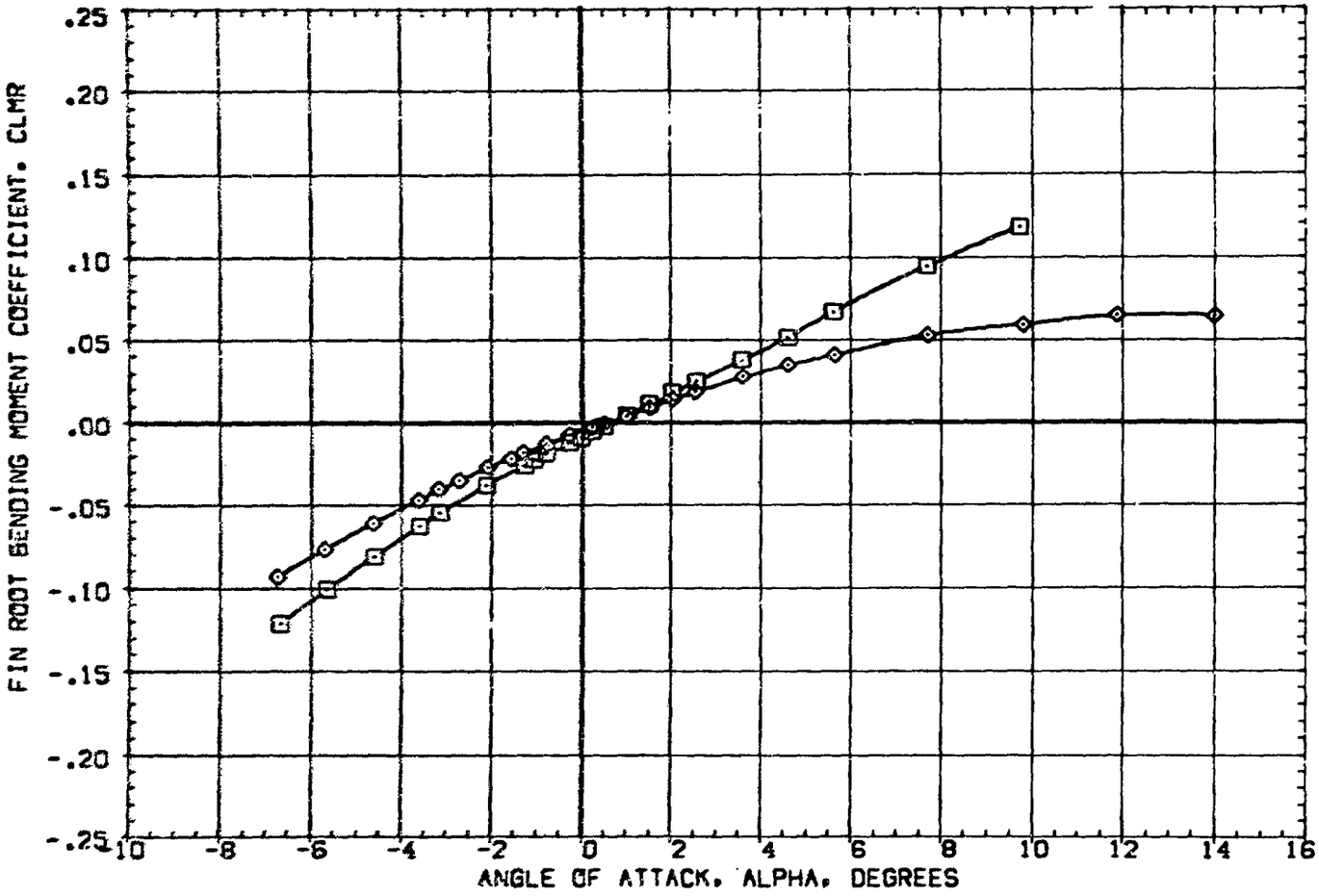


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[EX3,02]	O	DATA NOT AVAILABLE	22.500	-10.000	1.750	4.000
[EX3,15]	X	AEDC TC 273 WRAPAROUND FIN, BIF]	22.500	22.500	1.750	4.000
[EX3,18]	X	AEDC TC 273 WRAPAROUND FIN, BIF]	22.500	45.000	1.750	4.000
[EX3,29]	X	DATA NOT AVAILABLE	22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

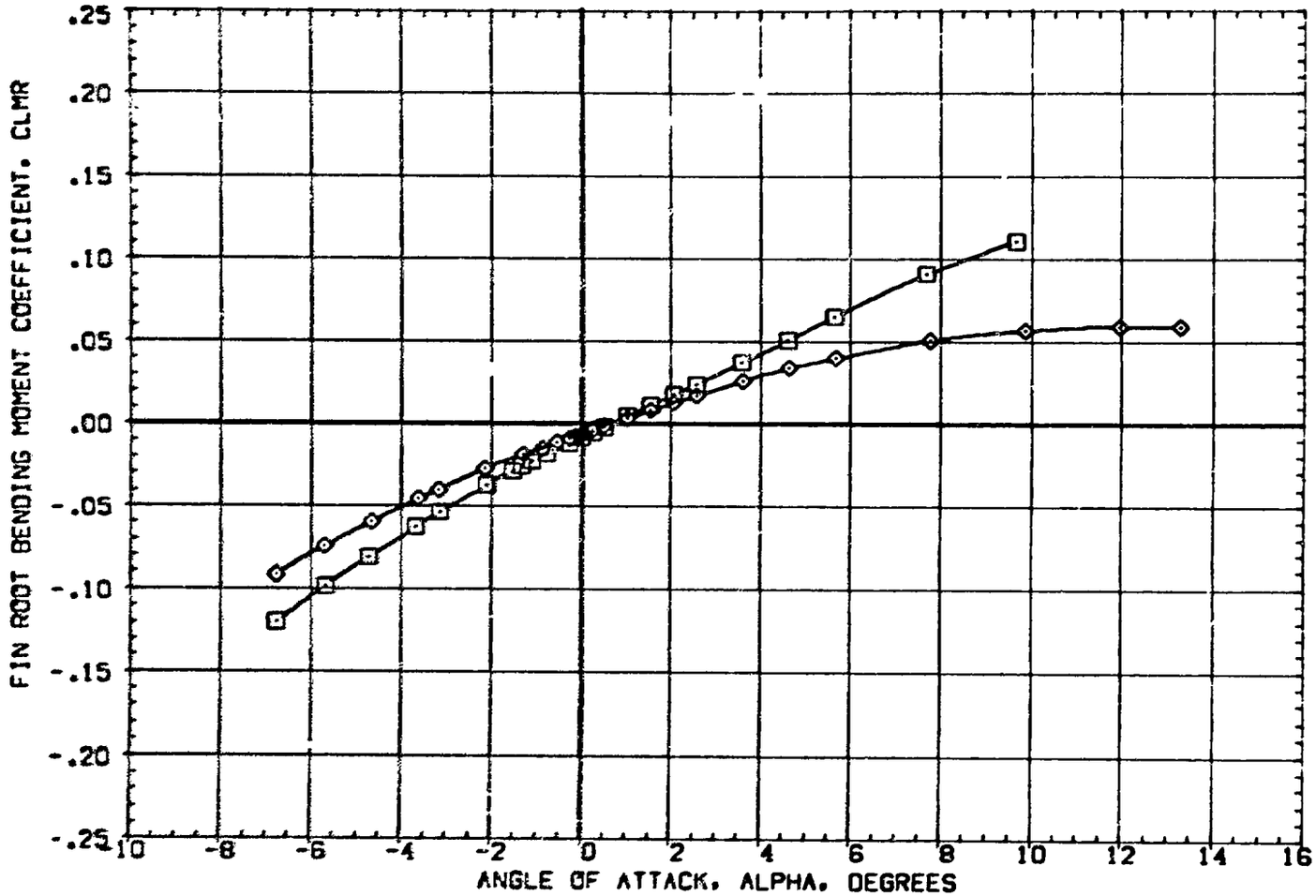


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CF3,02]	◻	DATA NOT AVAILABLE	22.500	-10.000	1.750	4.000
[CF3,15]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF]	22.500	22.500	1.750	4.000
[CF3,18]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF]	22.500	45.000	1.750	4.000
[CF3,23]	⊠	DATA NOT AVAILABLE	22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

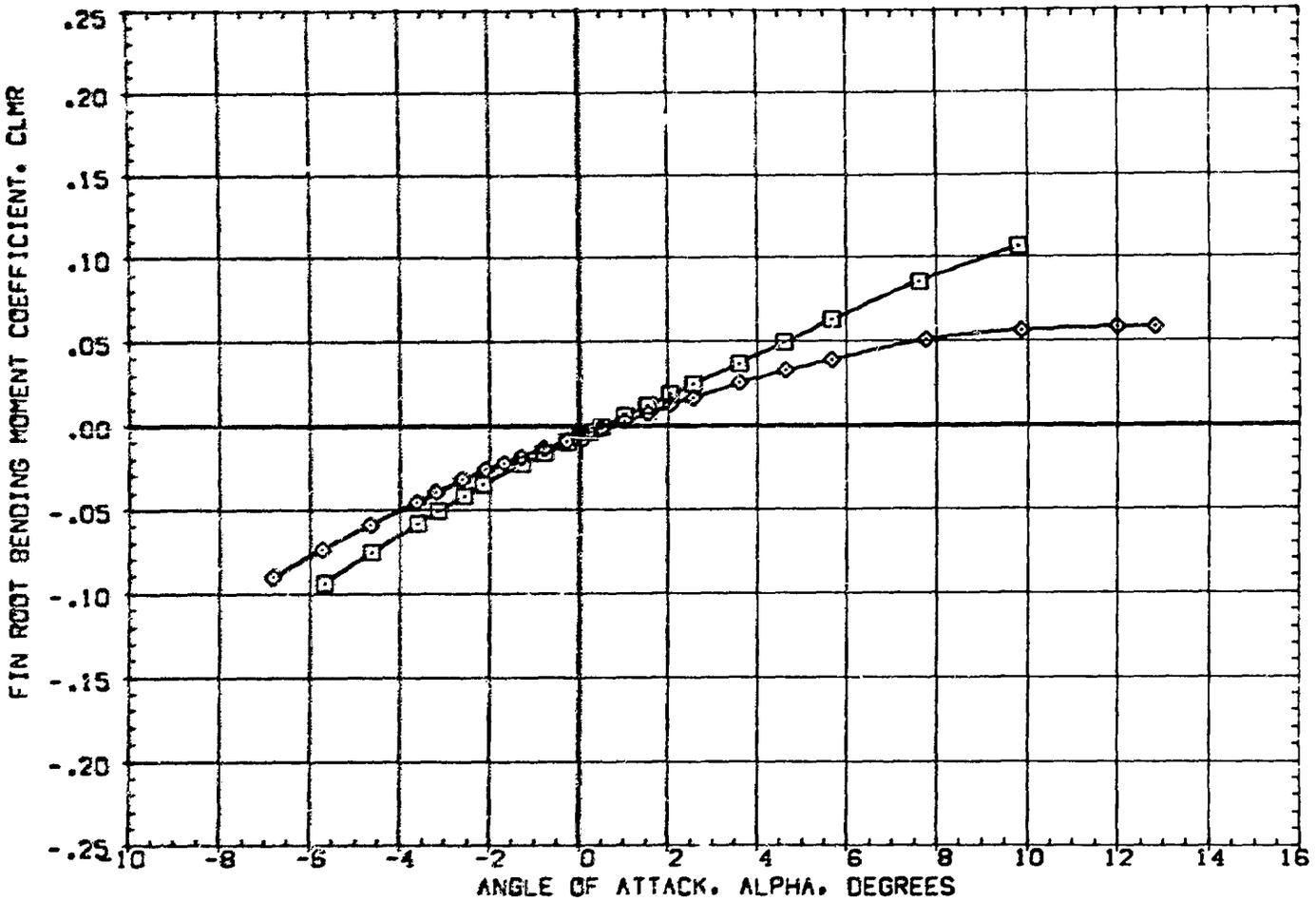


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3.02]		DATA NOT AVAILABLE	22.500	-10.000	1.750	4.000
(C)3.15]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	22.500	1.750	4.000
(C)3.19]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	22.500	45.000	1.750	4.000
(C)3.23]		DATA NOT AVAILABLE	22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



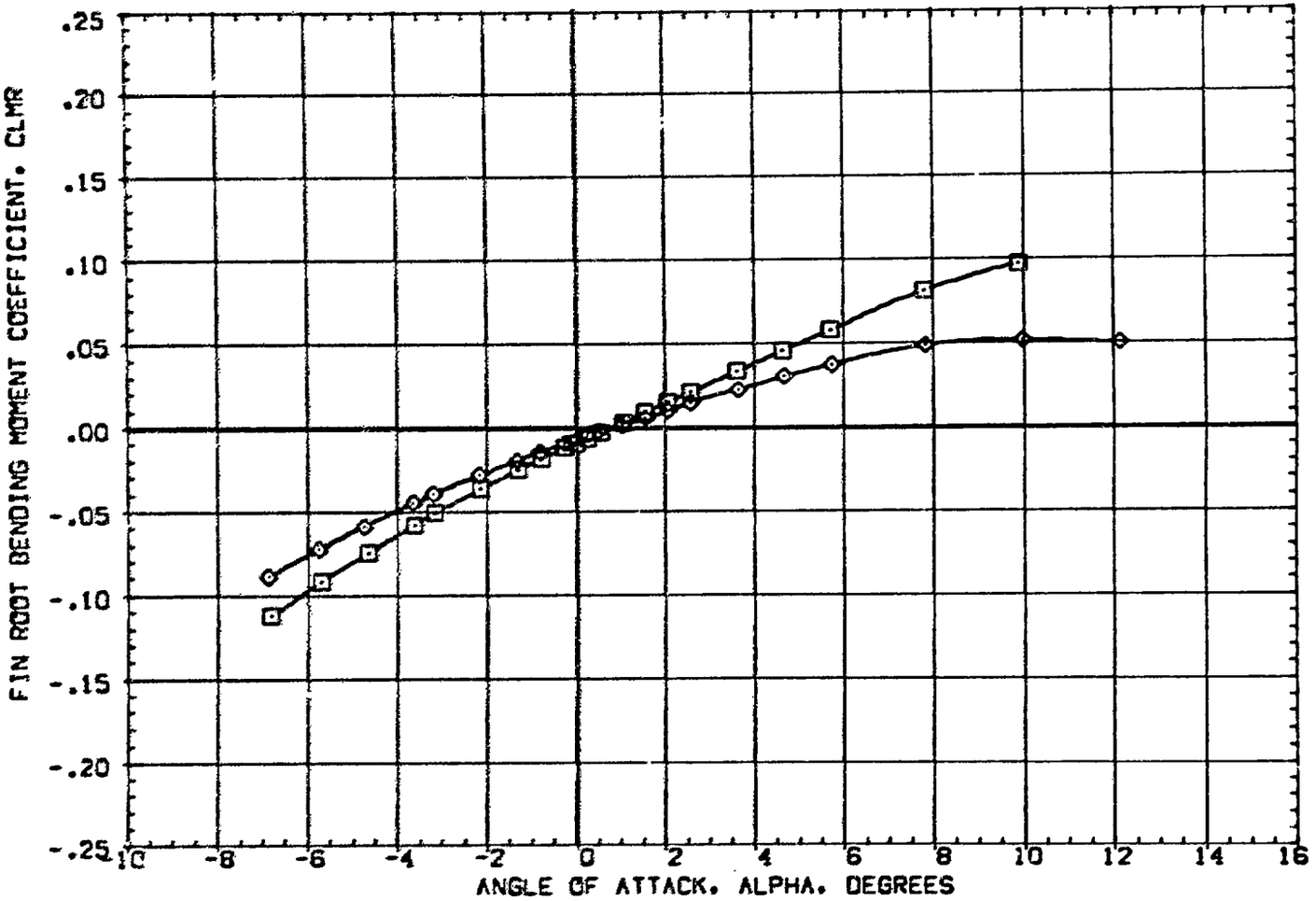
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION:
[0x1.02]	□	DATA NOT AVAILABLE
[0x1.15]	◇	AEDC 1C 273 WRAPAROUND FIN, BIF1
[0x1.19]	○	AEDC 1C 273 WRAPAROUND FIN, BIF1
[0x1.23]	X	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	4.000
22.500	22.500	1.750	4.000
22.500	45.000	1.750	4.000
22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



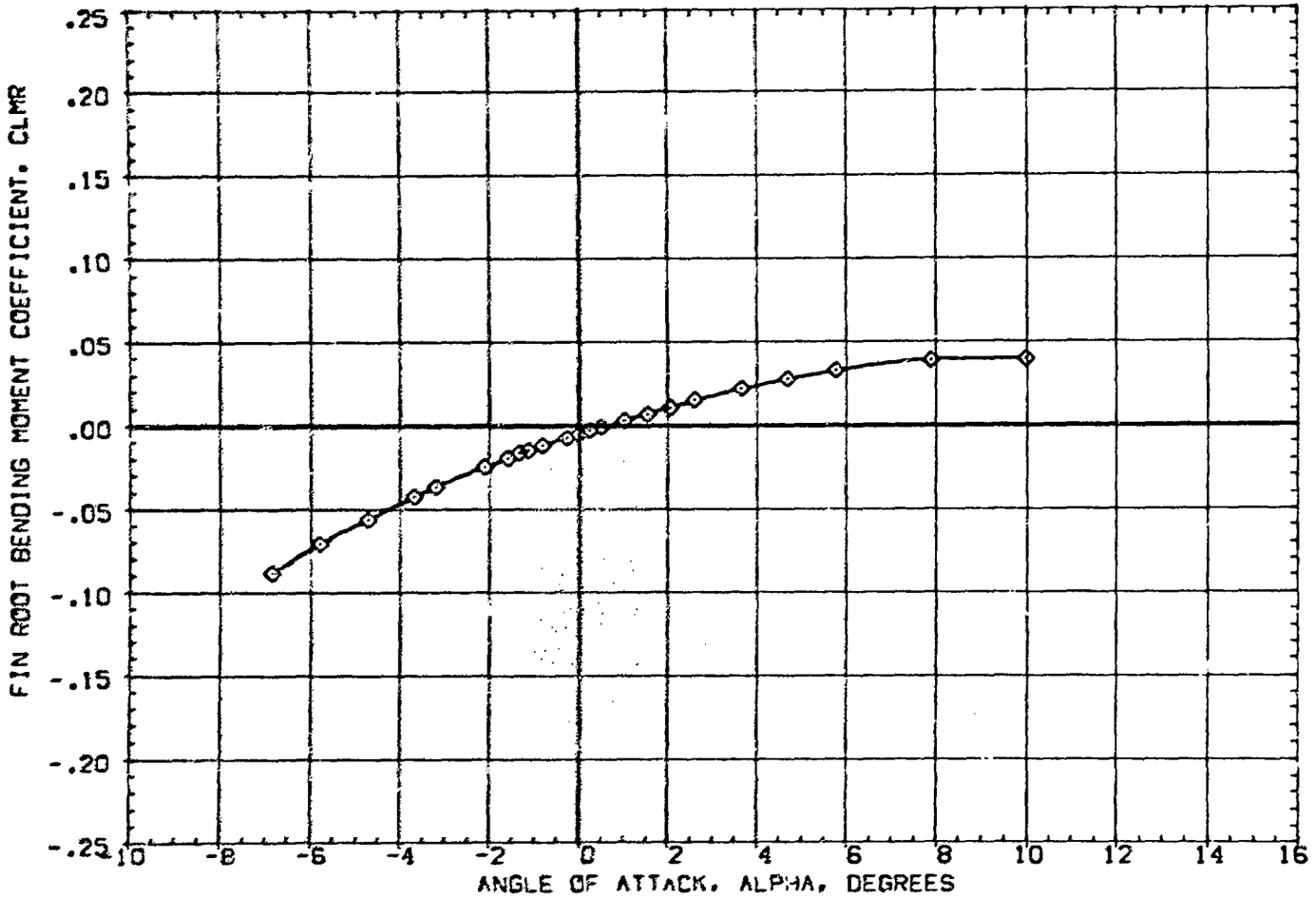
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(1)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3,02]	□	DATA NOT AVAILABLE
[CX3,15]	○	DATA NOT AVAILABLE
[CX3,19]	◇	AEDC TC 273 WRAPAROUND FINS, BIF1
[CX3,23]	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
22.500	-10.000	1.750	4.000
22.500	22.500	1.750	4.000
22.500	45.000	1.750	4.000
22.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

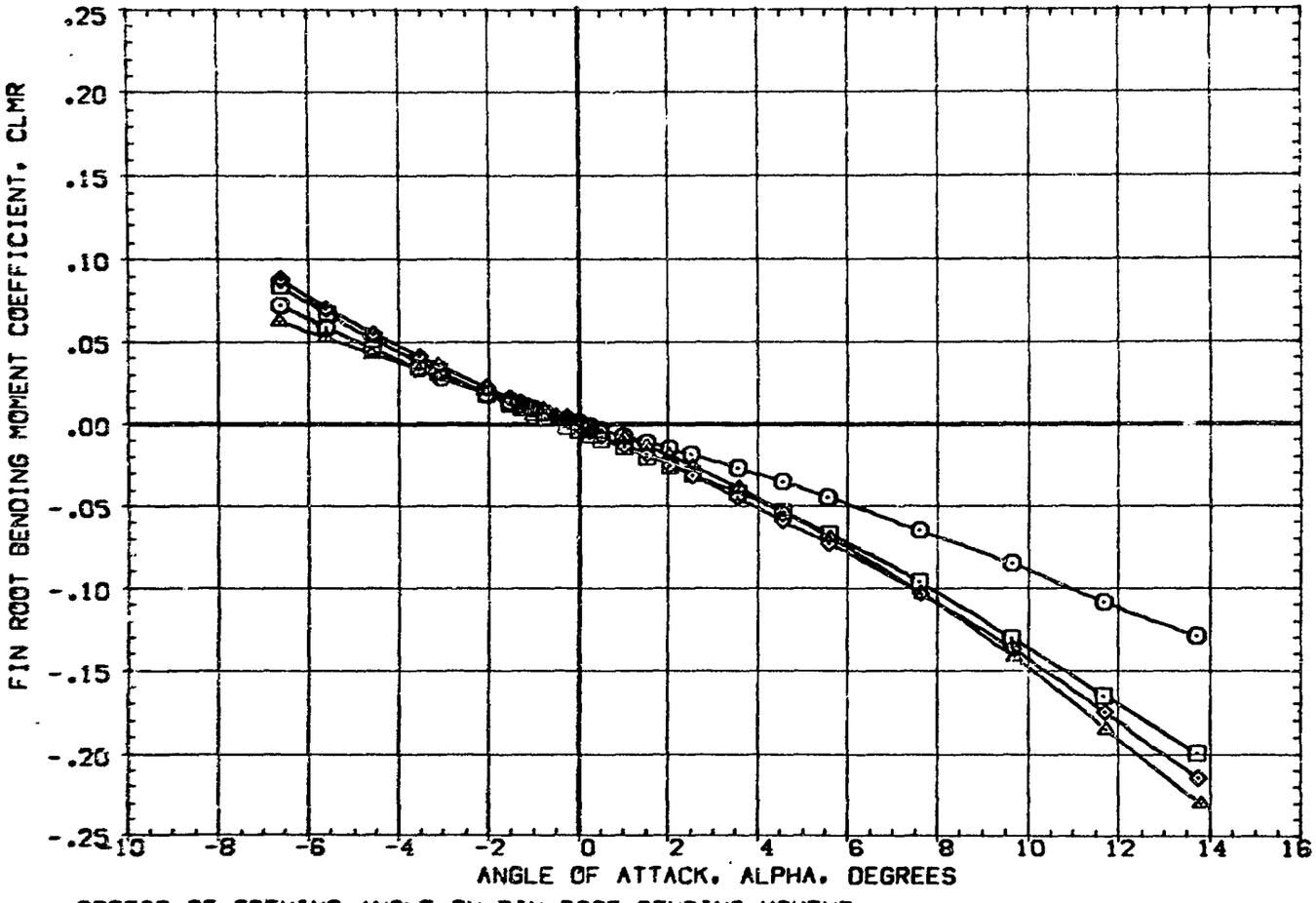


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3T03]	○	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	-10.000	1.750	1.000
[CX3T16]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	1.000
[CX3T20]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	1.000
[CX3T24]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

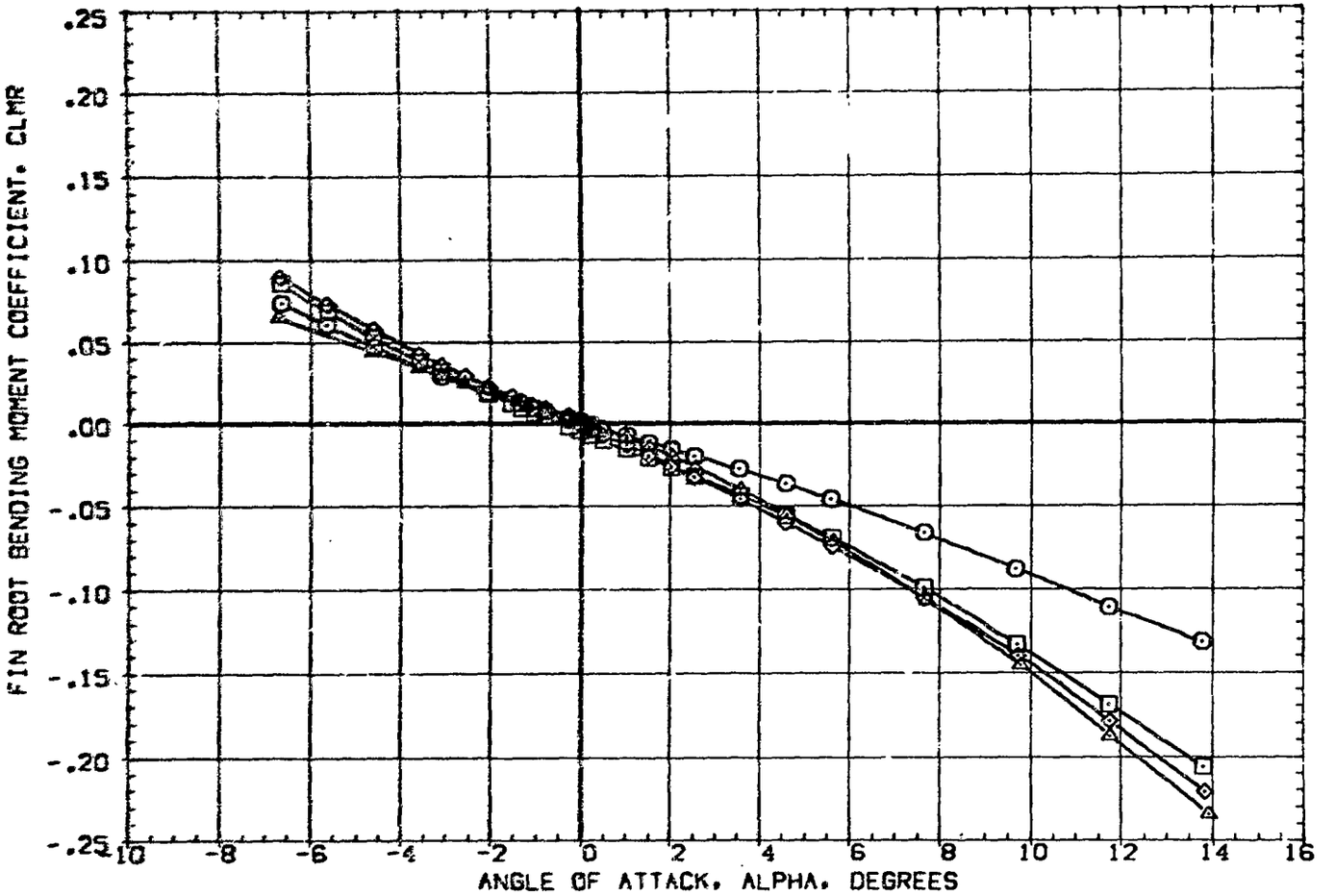


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[A]MACH = .51

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	○	AERR TC 273 WRAPAROUND FIN, BIF1	45.000	-10.000	1.750	1.000
[illegible]	□	AERR TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	1.000
[illegible]	△	AERR TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	1.000
[illegible]	◇	AERR TC 273 WRAPAROUND FIN, BIF1	45.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4900	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

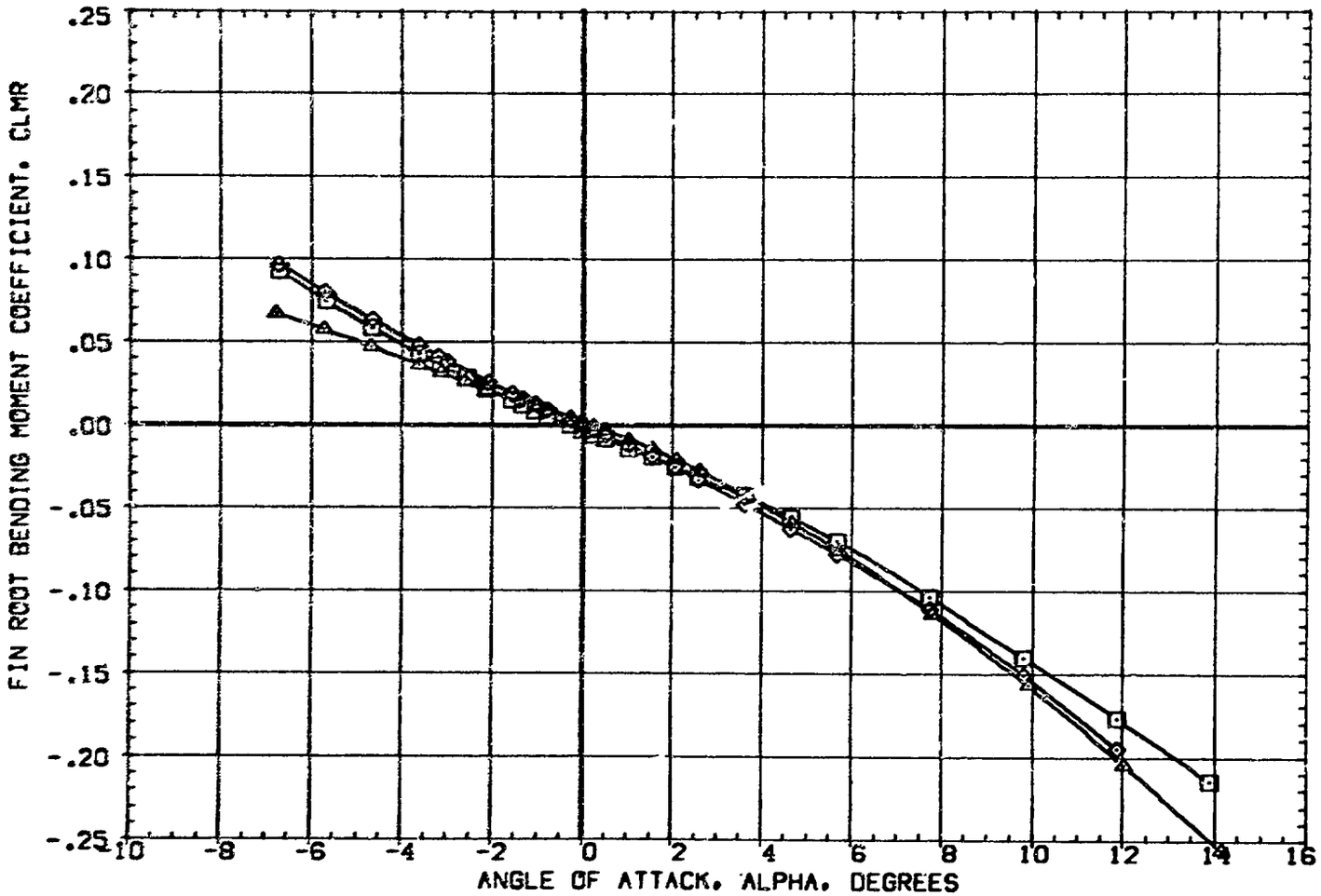


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[Cx3!03]	□	DATA NOT AVAILABLE				
[Cx3!16]	△	AEDC TC 273 WRAPAROUND FIN, BIF!	45.000	-10.000	1.750	1.000
[Cx3!20]	◇	AEDC TC 273 WRAPAROUND FIN, BIF!	45.000	22.500	1.750	1.000
[Cx3!24]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF!	45.000	45.000	1.750	1.000
			45.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



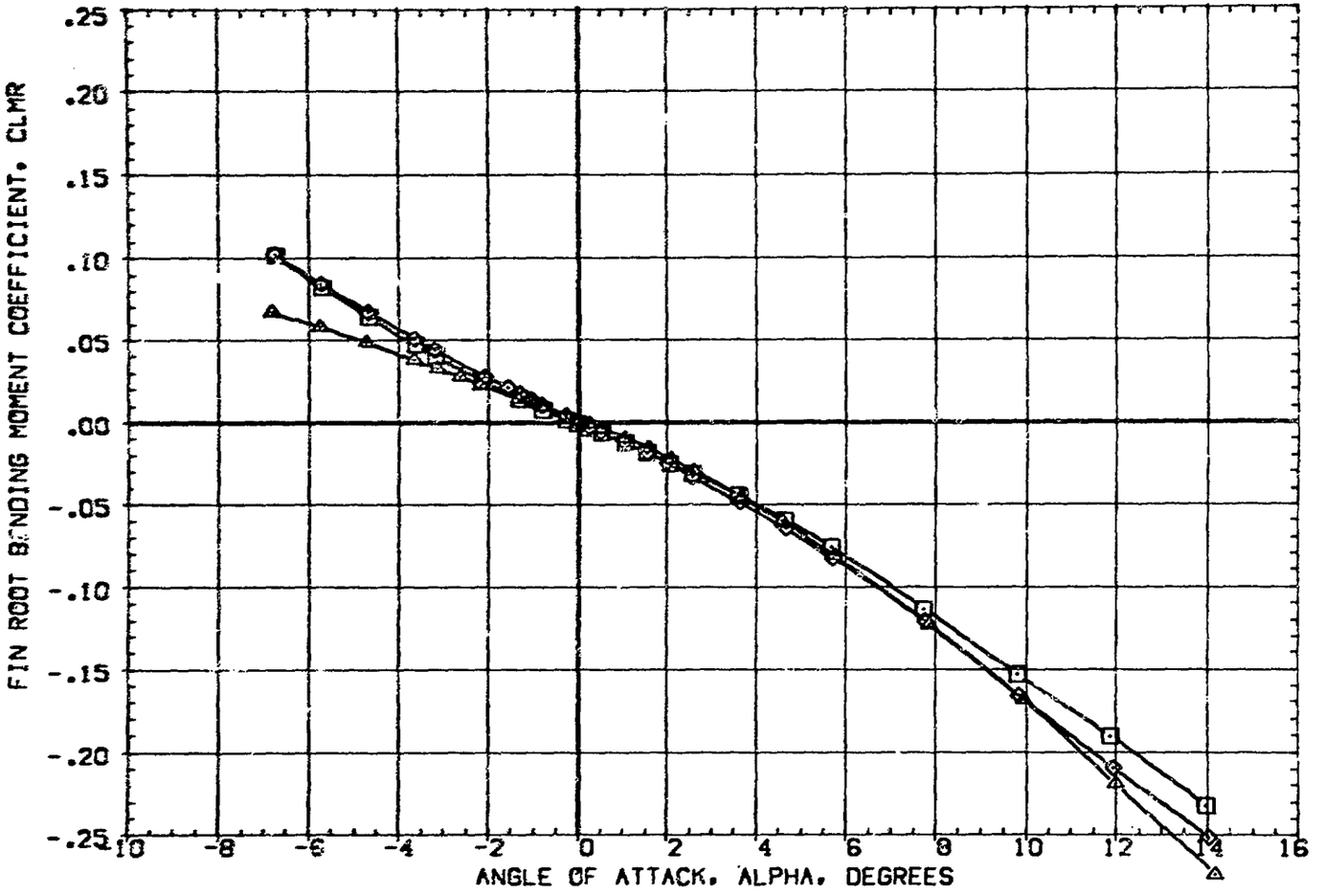
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3T03]	□	DATA NOT AVAILABLE				
[CX3T16]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	-10.000	1.750	1.000
[CX3T20]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	1.000
[CX3T24]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	1.000
			45.000	90.000	1.750	1.000

REFERENCE INFORMATION:

SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



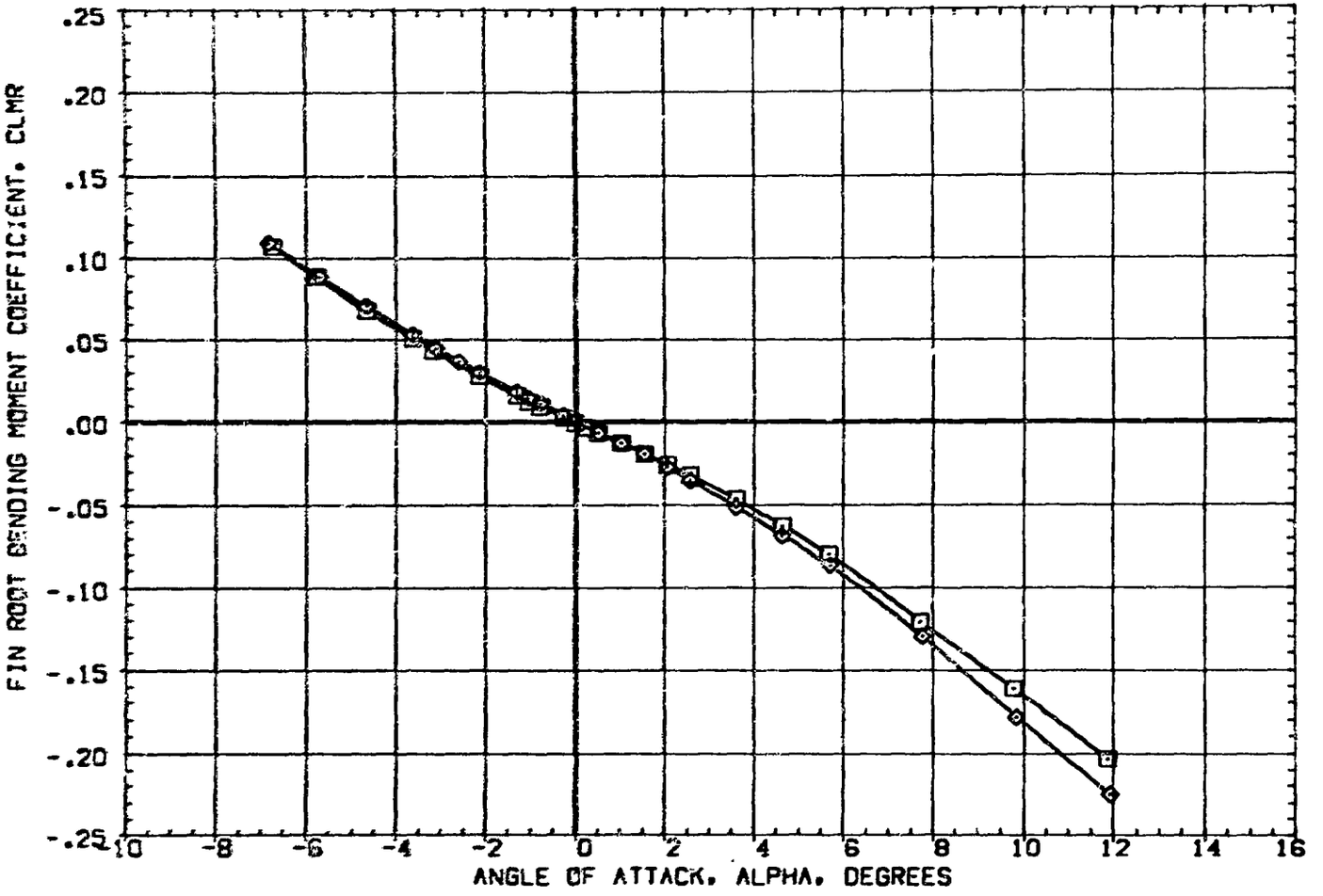
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3'03)	□	DATA NOT AVAILABLE
(CX3'16)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3'20)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3'24)	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	1.000
45.000	22.500	1.750	1.000
45.000	45.000	1.750	1.000
45.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



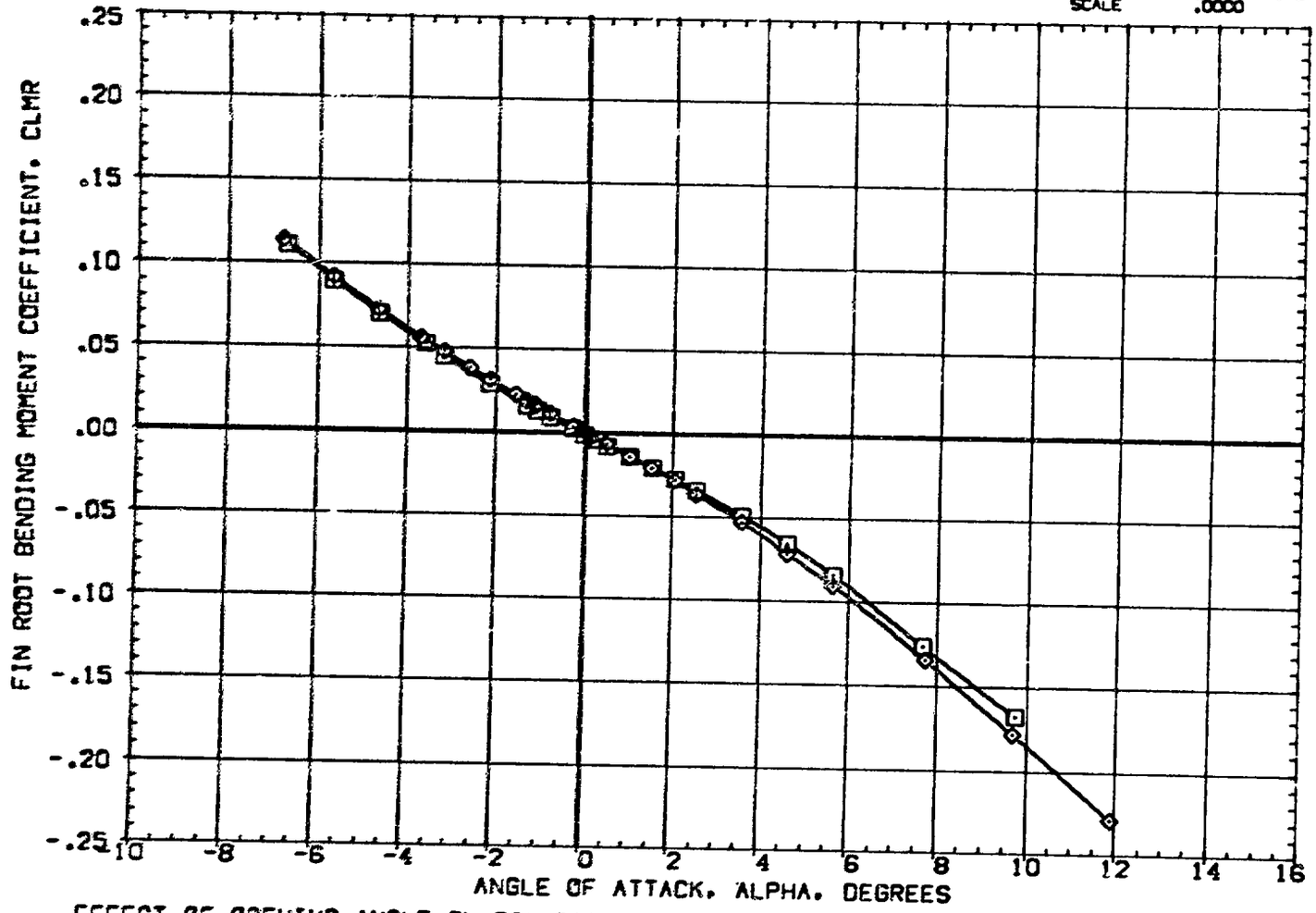
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[DX3103]		DATA NOT AVAILABLE
[DX3116]		AERO TC 273 WRAPAROUND FIN, BIF1
[DX3201]		AERO TC 273 WRAPAROUND FIN, BIF1
[DX3124]		DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	1.000
45.000	22.500	1.750	1.000
45.000	45.000	1.750	1.000
45.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	10.4600	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

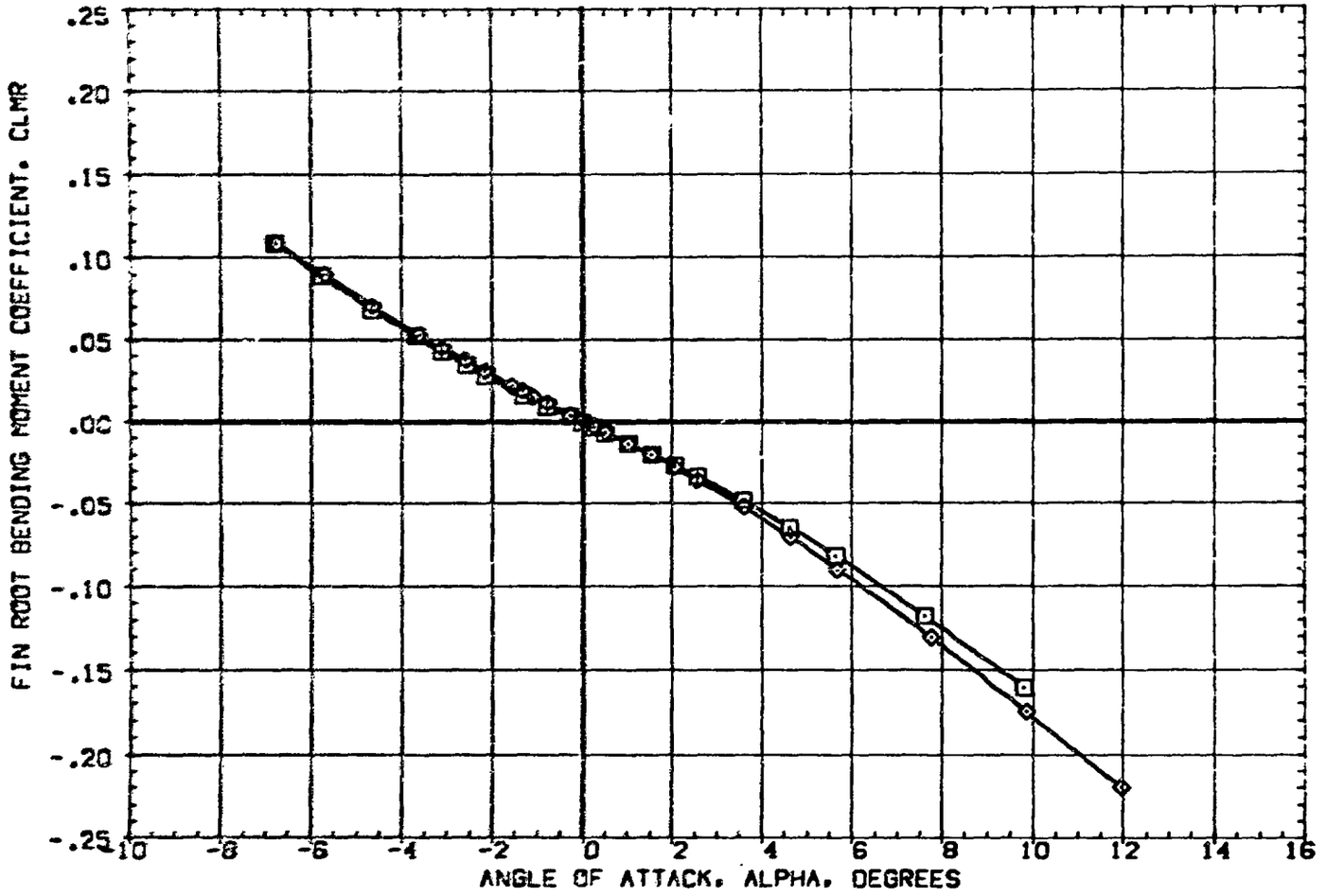


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

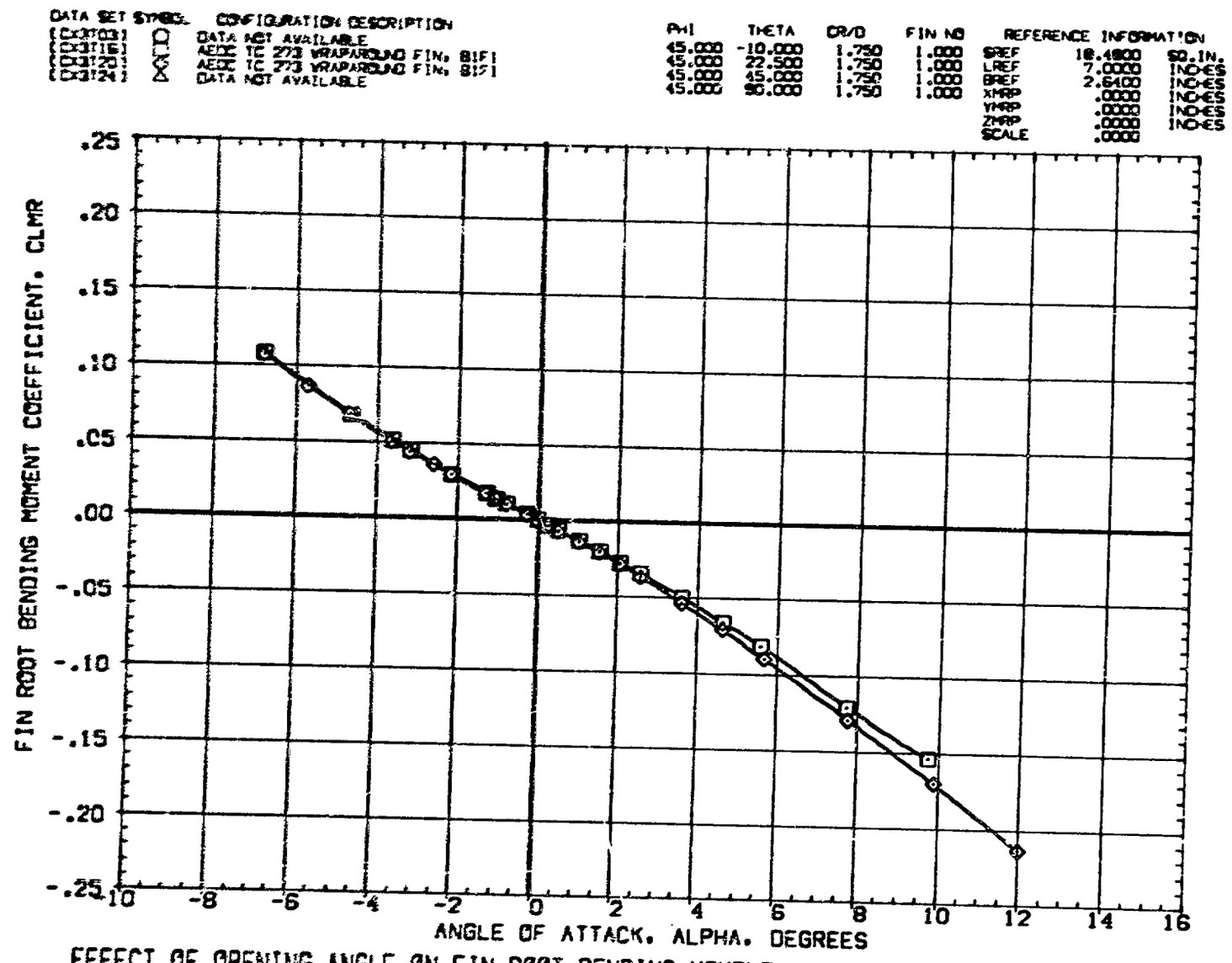
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(D)3103	□	DATA NOT AVAILABLE	45.000	-10.000	1.750	1.000
(D)3116	△	AEDC TC 273 WRAPAROUND FIN, BIF	45.000	22.500	1.750	1.000
(D)3203	◇	AEDC TC 273 WRAPAROUND FIN, BIF	45.000	45.000	1.750	1.000
(D)3241	⊗	DATA NOT AVAILABLE	45.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05



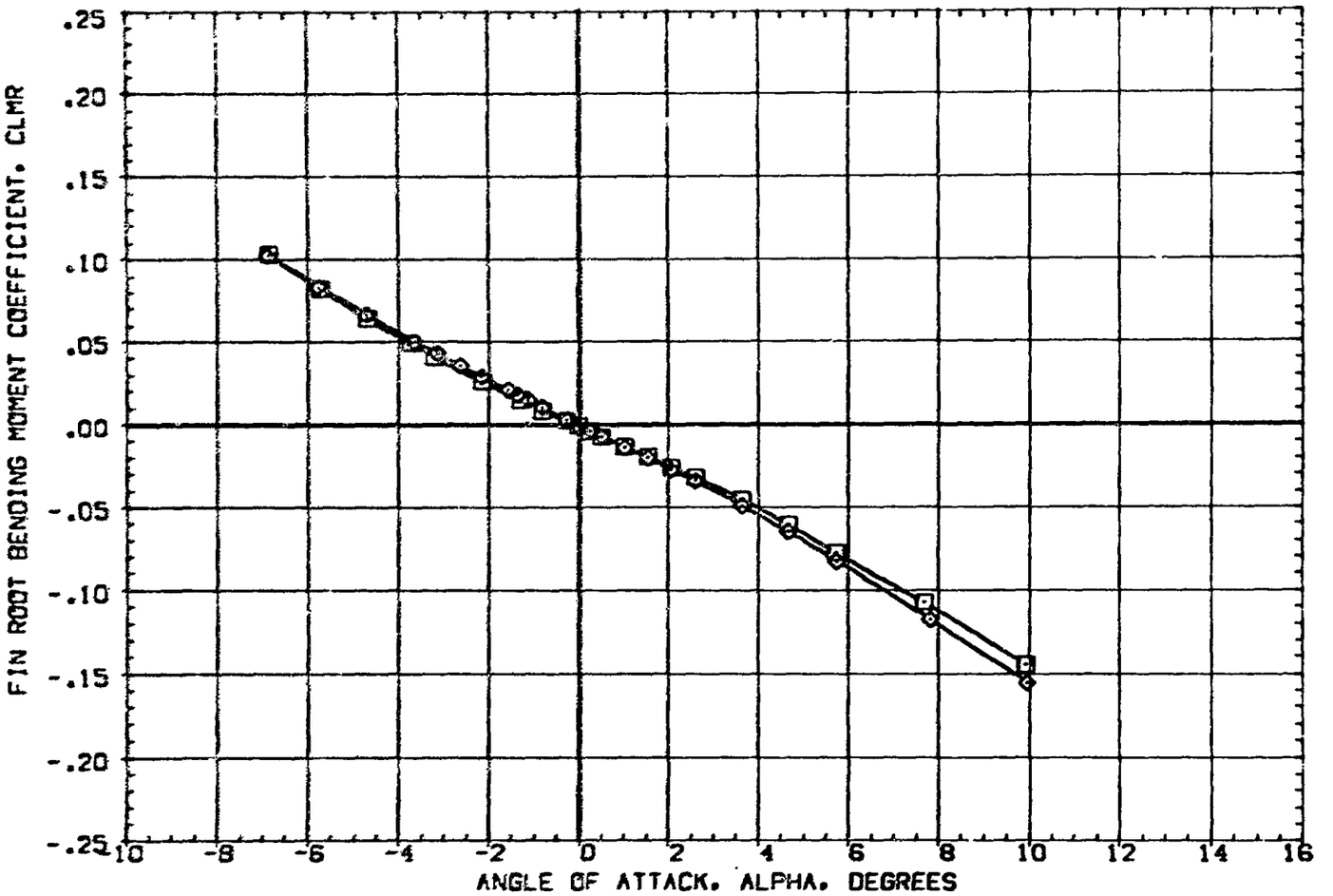
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[H]MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(Cx3'103)	□	DATA NOT AVAILABLE
(Cx3'116)	○	AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3'203)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3'24)	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	1.000
45.000	22.500	1.750	1.000
45.000	45.000	1.750	1.000
45.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

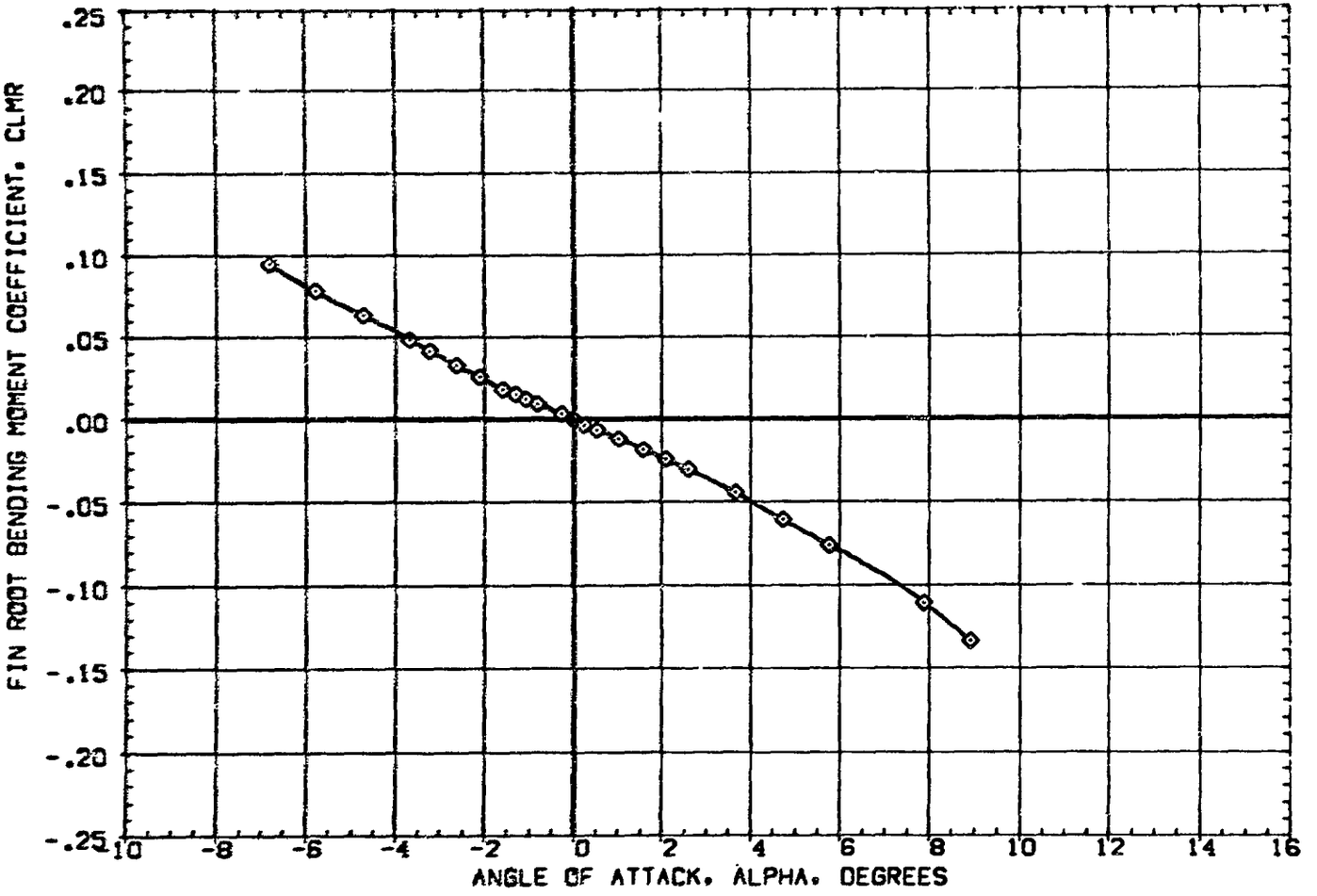


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(1)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(D3103)	□	DATA NOT AVAILABLE	45.000	-10.000	1.750	1.000
(D3116)	○	DATA NOT AVAILABLE	45.000	22.500	1.750	1.000
(D3120)	⋈	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	1.000
(D3124)	◇	DATA NOT AVAILABLE	45.000	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

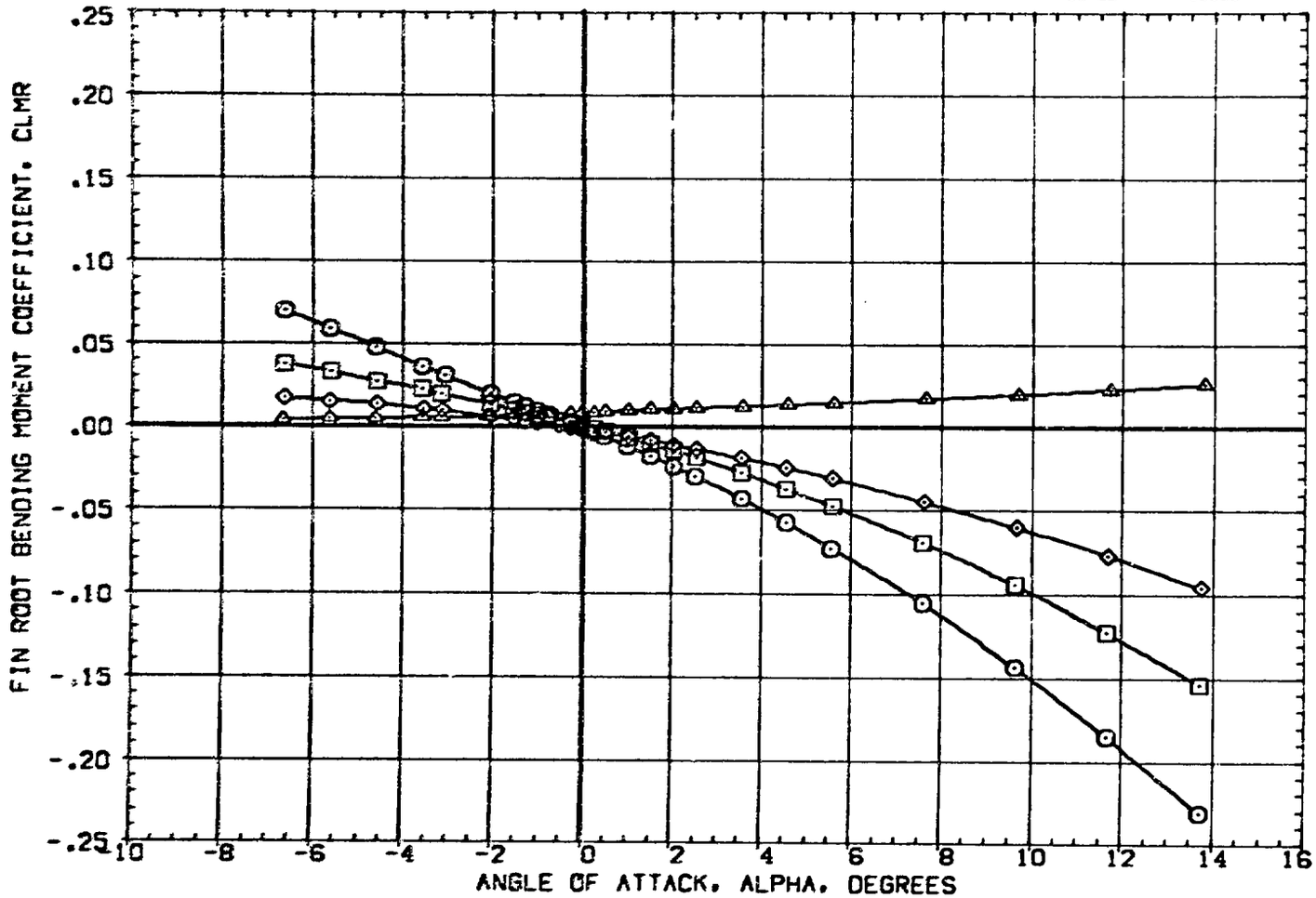


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	◻	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	-10.000	1.750	2.000
[illegible]	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	2.000
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	2.000
[illegible]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

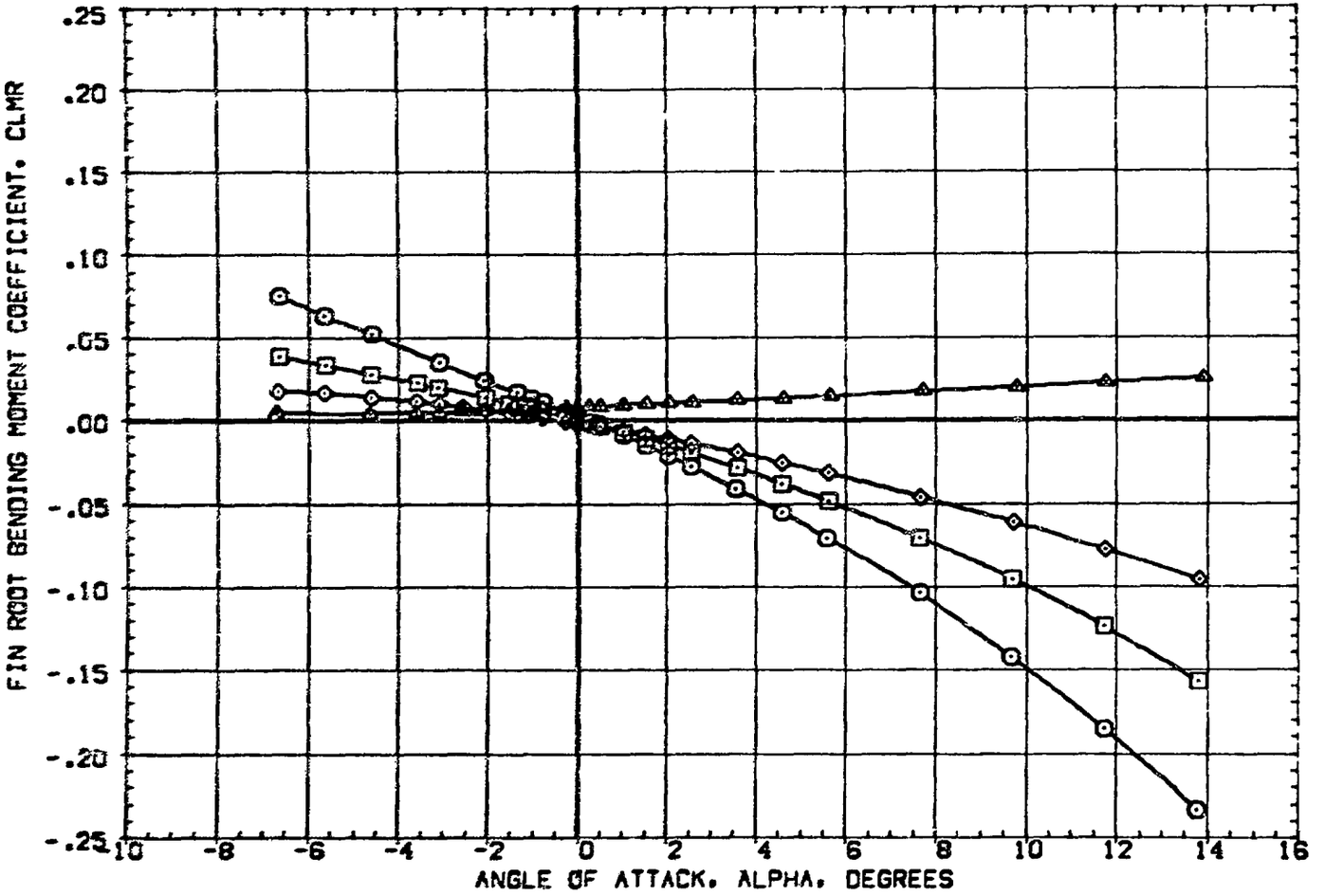


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .51

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	○	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	-10.000	1.750	2.000
[illegible]		AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	2.000
[illegible]	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	2.000
[illegible]		AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

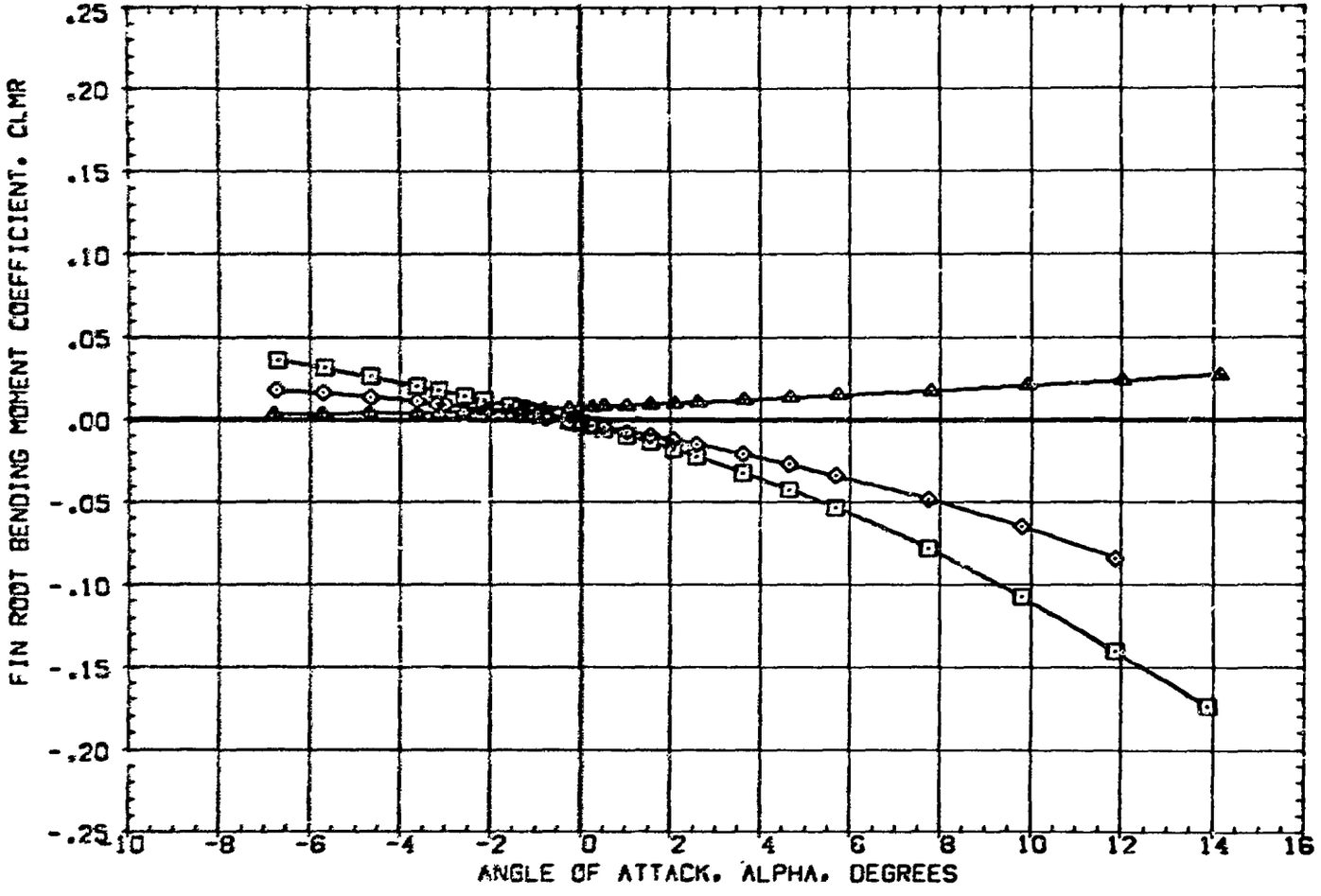


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3R01	□	DATA NOT AVAILABLE	45.000	-10.000	1.750	2.000
(C)3R16	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	2.000
(C)3R20	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	2.000
(C)3R24	△	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

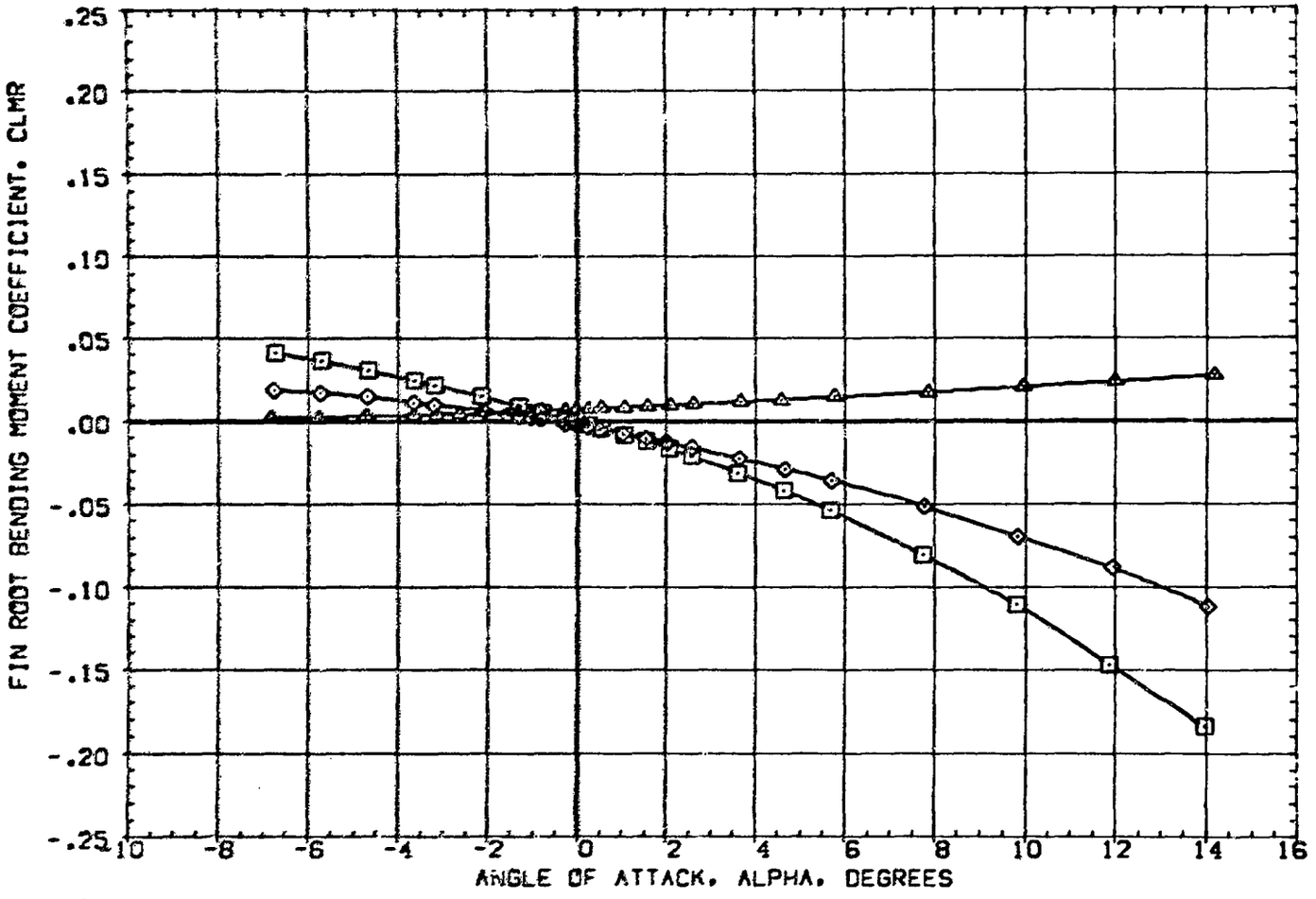


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3R03]	○	DATA NOT AVAILABLE	45.000	-10.000	1.750	2.000
[CX3R15]	◇	AEDC TC 273 WRAPAROUND FIN, BIF]	45.000	22.500	1.750	2.000
[CX3R20]	▽	AEDC TC 273 WRAPAROUND FIN, BIF]	45.000	45.000	1.750	2.000
[CX3R24]	△	AEDC TC 273 WRAPAROUND FIN, BIF]	45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



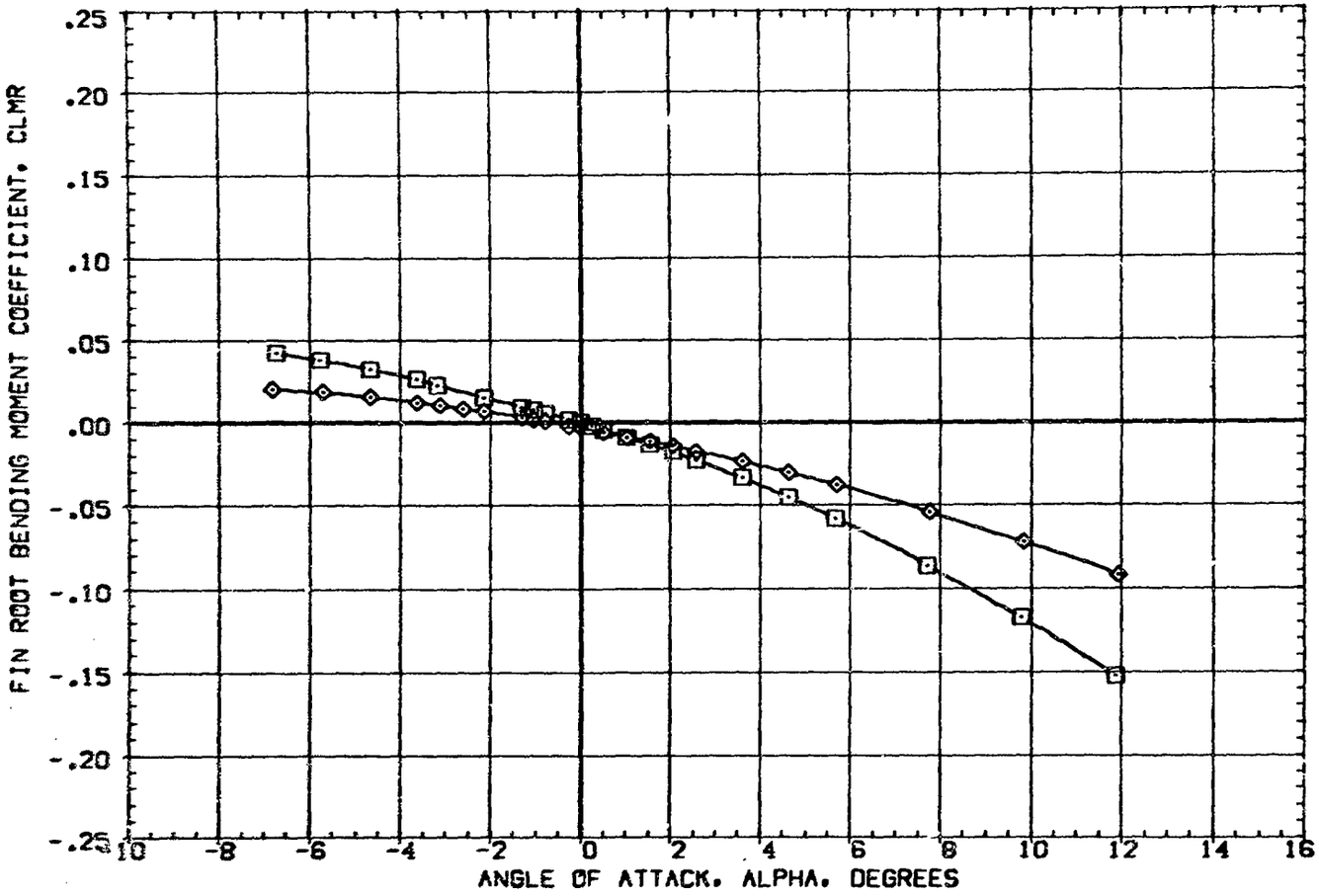
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(O)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3603]	□	DATA NOT AVAILABLE
[CX3616]	▽	AEDC TC 273 WRAPAROUND FIN, BIF1
[CX3620]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
[CX3624]	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	2.000
45.000	22.500	1.750	2.000
45.000	45.000	1.750	2.000
45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

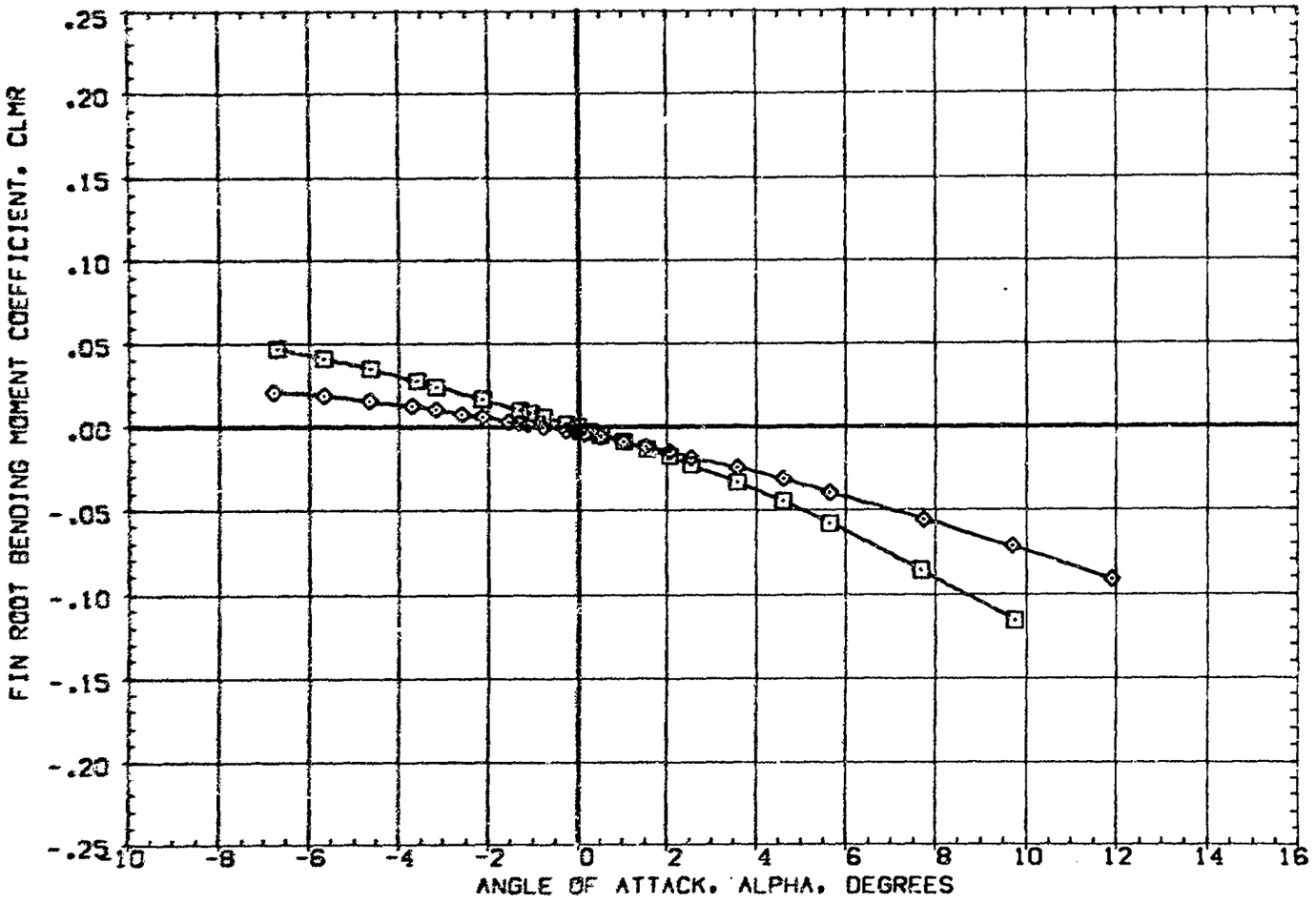


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3R03]	□	DATA NOT AVAILABLE	45.000	-10.000	1.750	2.000
[CX3R16]	◇	AEDC TC 273 YRAPAROUND FIN, BIF1	45.000	22.500	1.750	2.000
[CX3R26]	⊠	AEDC TC 273 YRAPAROUND FIN, BIF1	45.000	45.000	1.750	2.000
[CX3R24]	△	DATA NOT AVAILABLE	45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

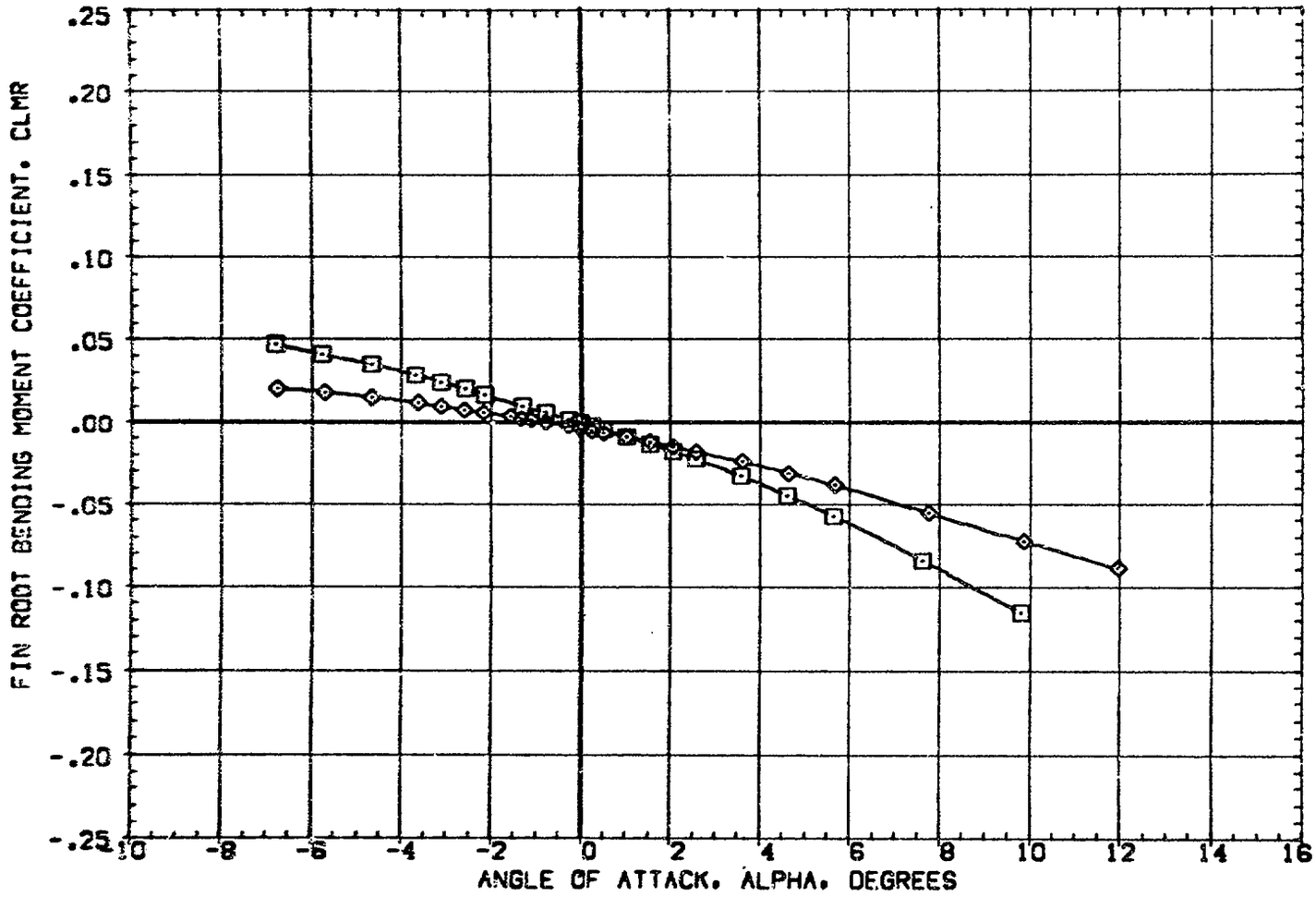


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN ID
[CX2RC3]	○	DATA NOT AVAILABLE	45.000	-10.000	1.750	2.000
[CX3R15]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	2.000
[CX3R20]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	2.000
[CX3R24]	☒	DATA NOT AVAILABLE	45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



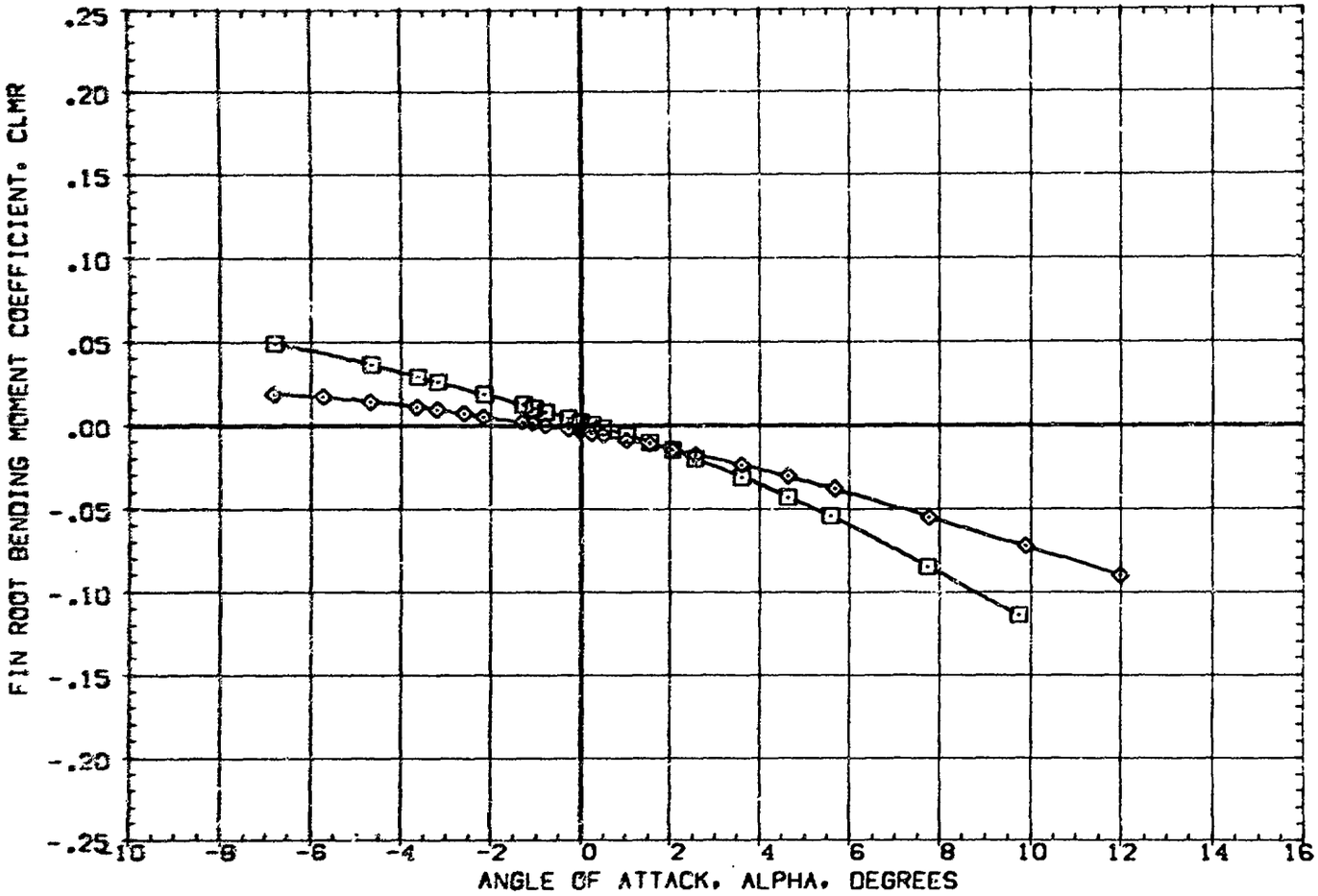
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C)3803	□	DATA NOT AVAILABLE
(C)3816	◇	AEDC TC 273 WRAPAROUND FIN, BIF
(C)3820	◇	AEDC TC 273 WRAPAROUND FIN, BIF
(C)3824	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	2.000
45.000	22.500	1.750	2.000
45.000	45.000	1.750	2.000
45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



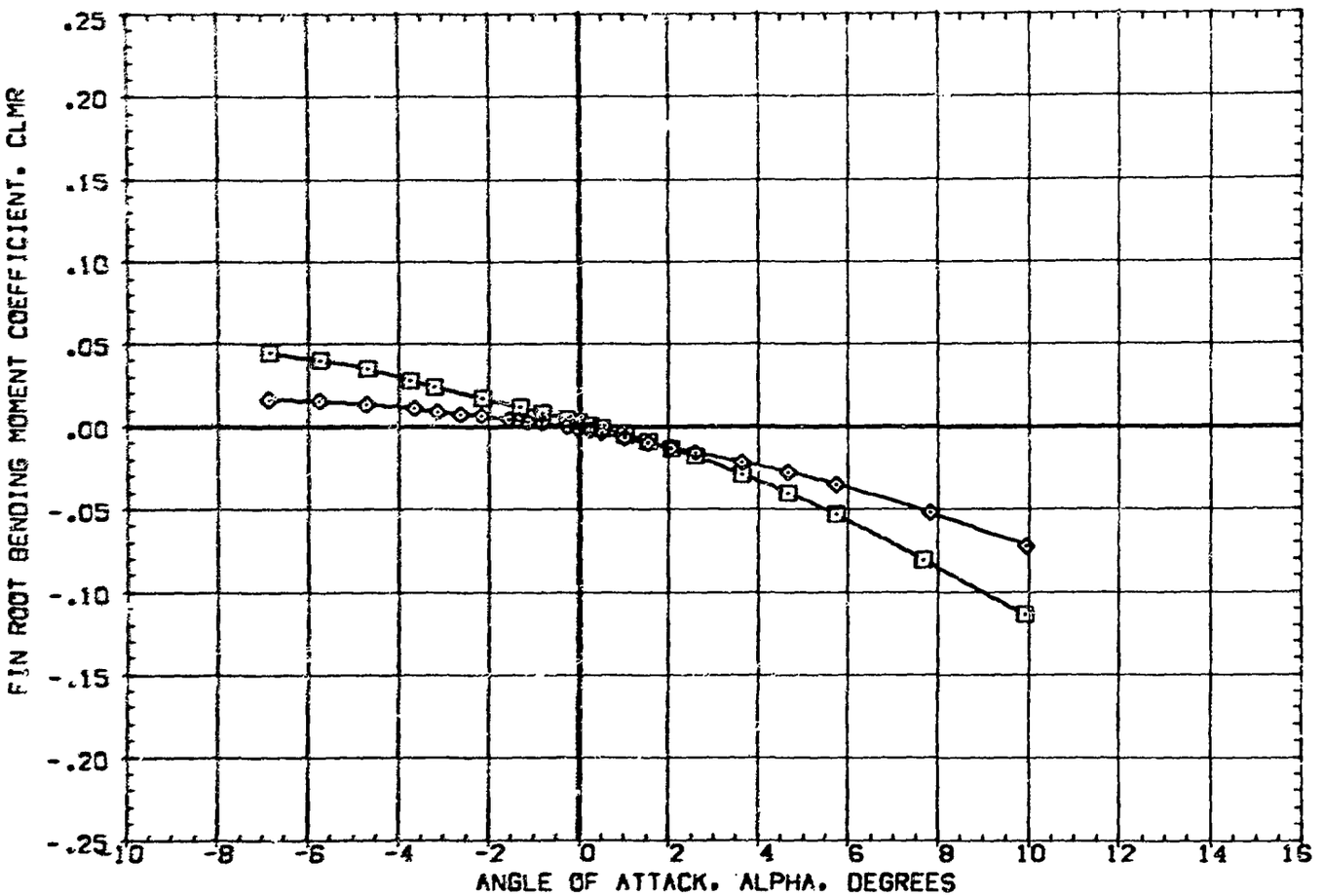
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3203)	□	DATA NOT AVAILABLE
(CX3216)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3220)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3224)	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	2.000
45.000	22.500	1.750	2.000
45.000	45.000	1.750	2.000
45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



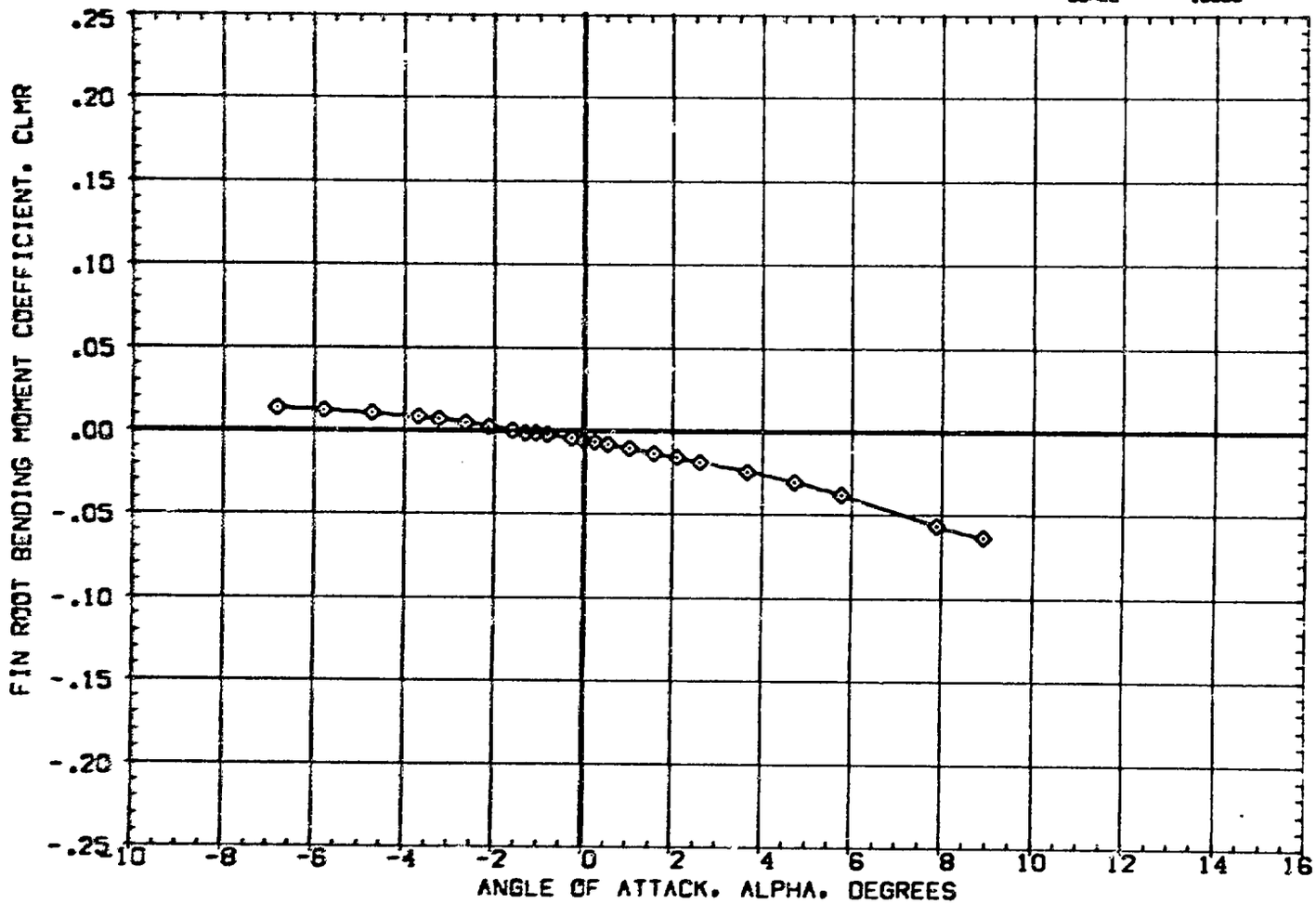
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(I)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[C]3R03]	□	DATA NOT AVAILABLE
[C]3R16]	◇	DATA NOT AVAILABLE
[C]3R20]	⋈	AEDC TC 273 WRAPAROUND FIN, BIF]
[C]3R24]	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	2.000
45.000	22.500	1.750	2.000
45.000	45.000	1.750	2.000
45.000	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

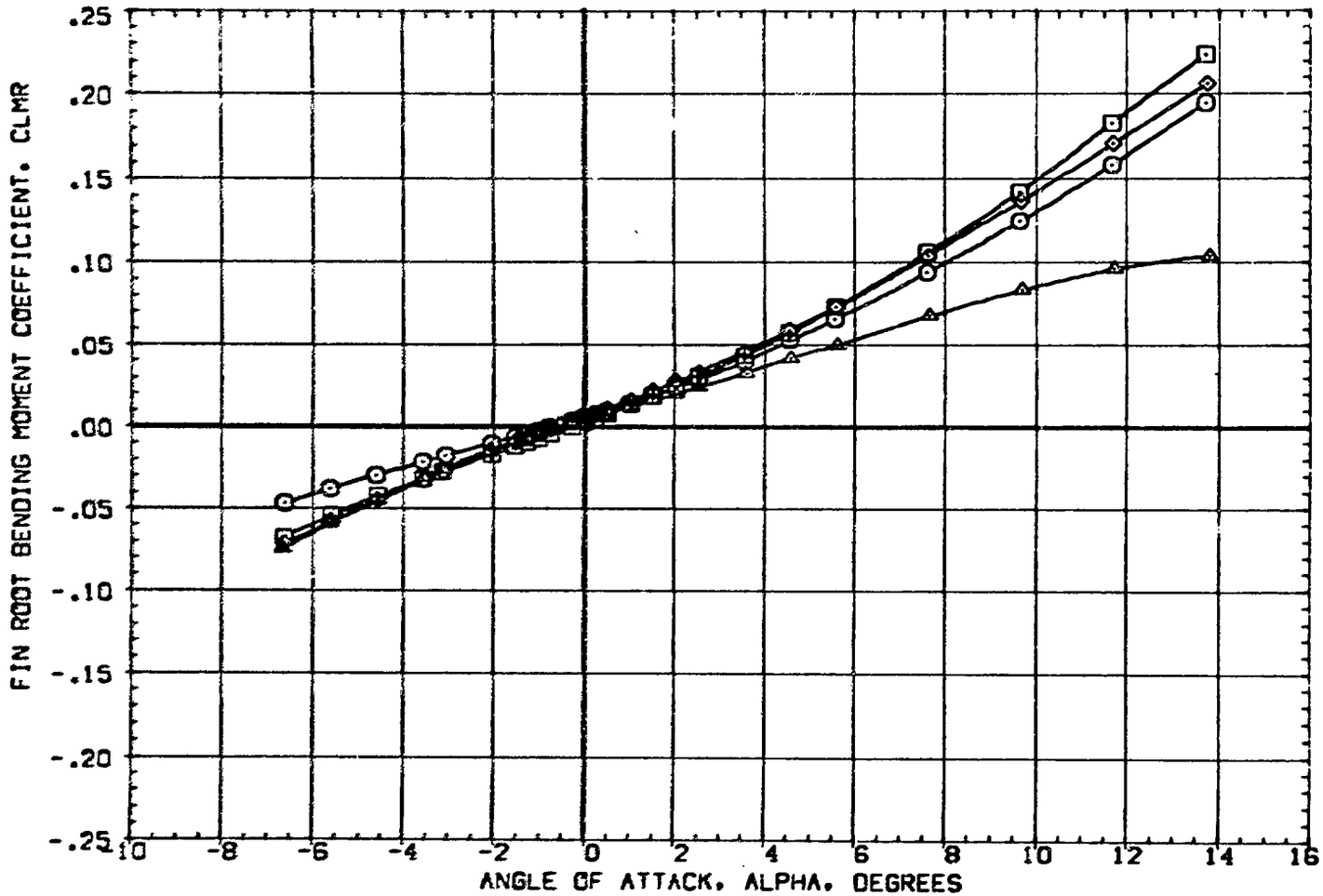


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[J]MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C=3.03]	□	AEDC TC 273 VRAPAROUND FIN, BIF1	45.000	-10.000	1.750	3.000
[C=3.16]	○	AEDC TC 273 VRAPAROUND FIN, BIF1	45.000	22.500	1.750	3.000
[C=3.20]	◇	AEDC TC 273 VRAPAROUND FIN, BIF1	45.000	45.000	1.750	3.000
[C=3.24]	△	AEDC TC 273 VRAPAROUND FIN, BIF1	45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

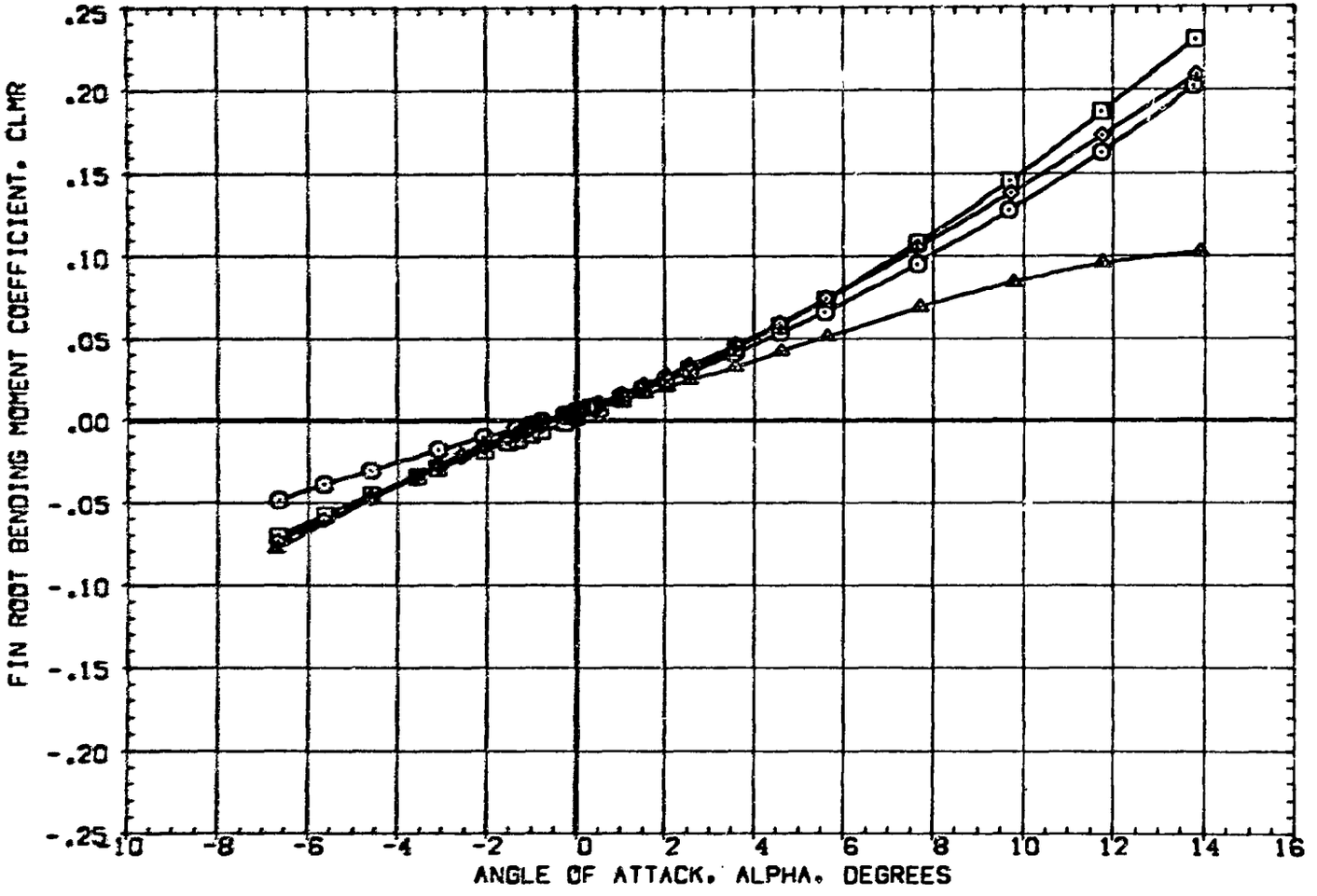


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .51

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	-10.000	1.750	3.000
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	3.000
[illegible]	○	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	3.000
[illegible]	△	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



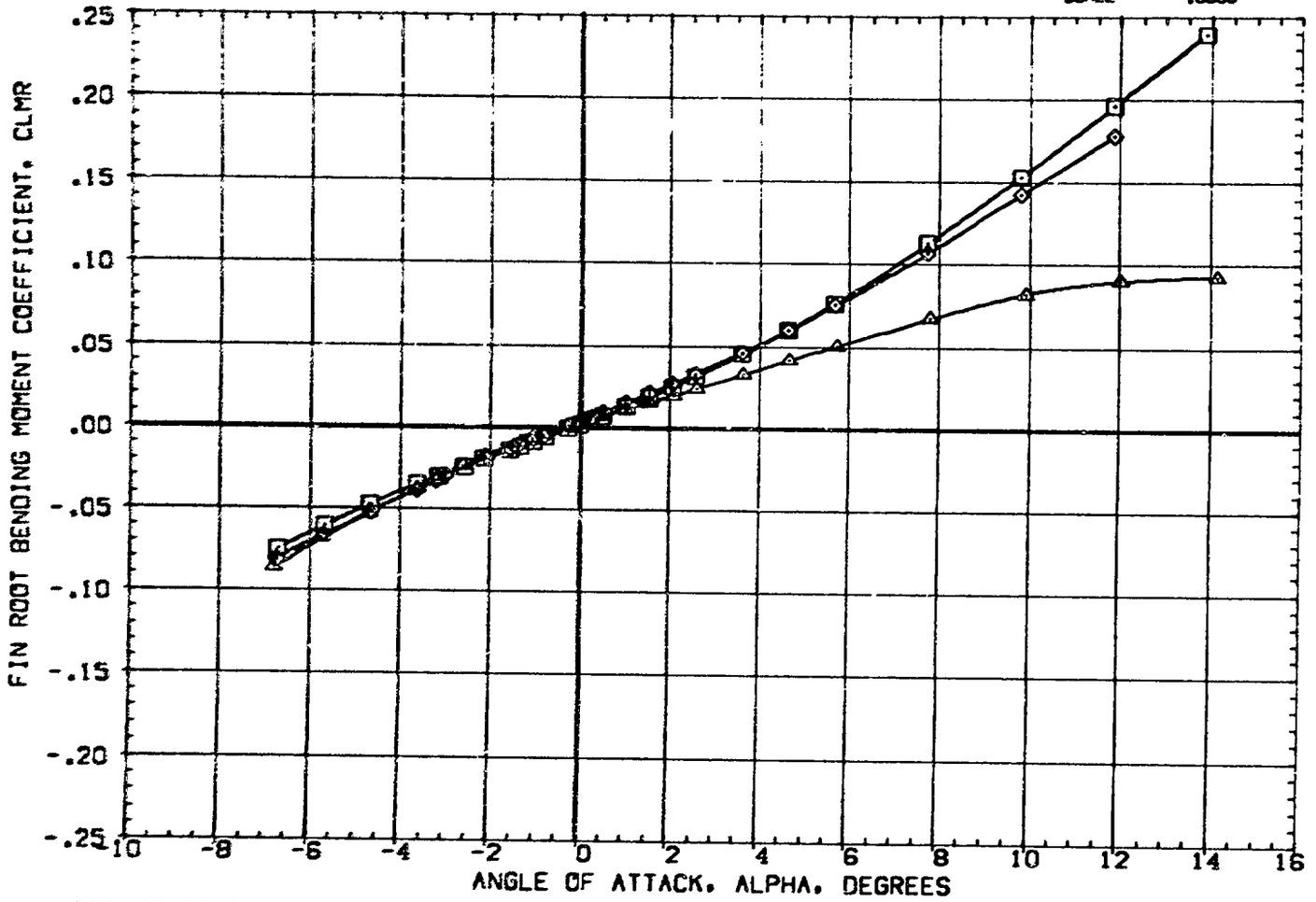
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C)3.03	□	DATA NOT AVAILABLE
(C)3.16	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(C)3.20	✕	AEDC TC 273 WRAPAROUND FIN, BIF1
(C)3.24	△	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/O	FIN NO
45.000	-10.000	1.750	3.000
45.000	22.500	1.750	3.000
45.000	45.000	1.750	3.000
45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

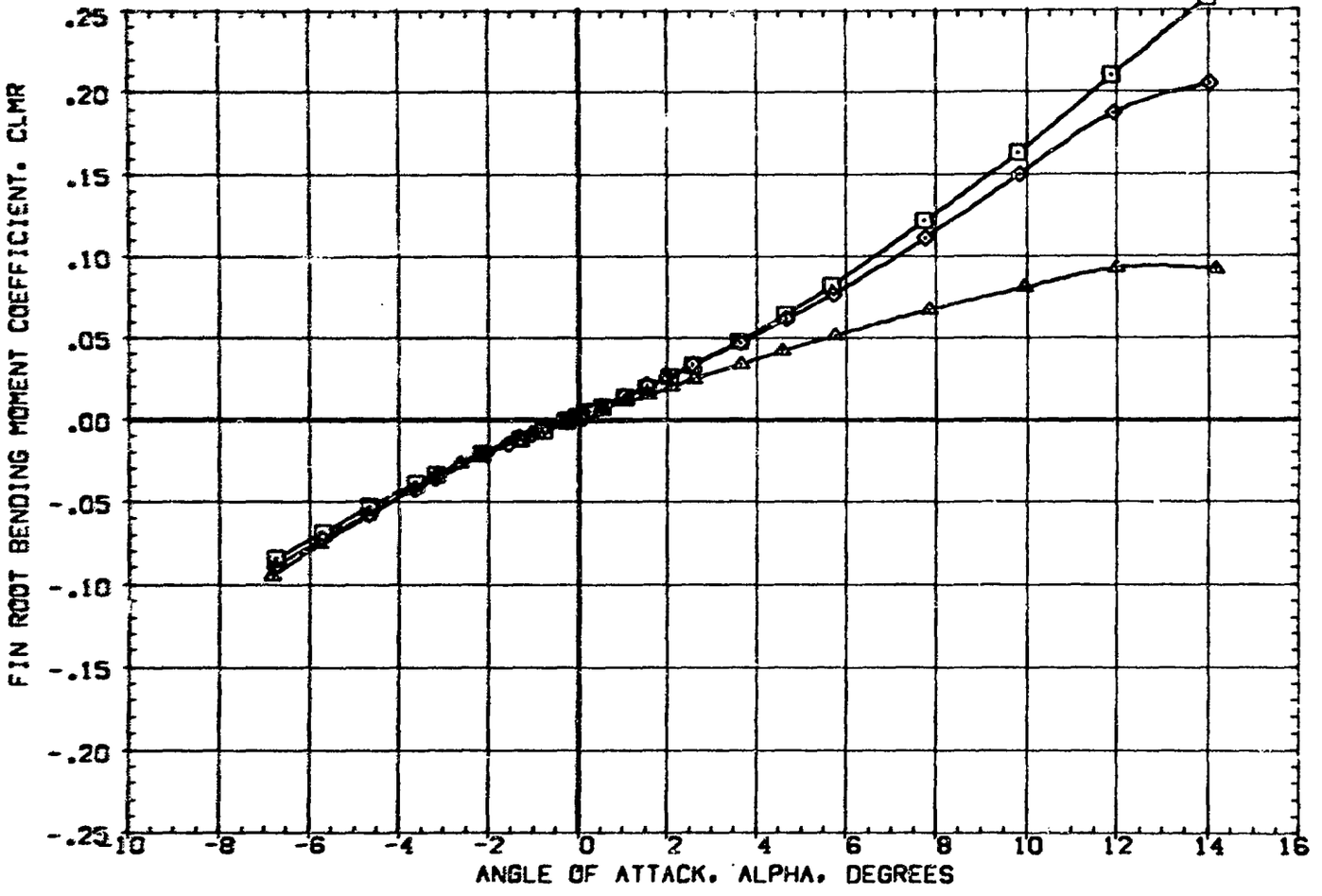


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[D]3,03]	□	DATA NOT AVAILABLE	45.000	-10.000	1.750	3.000
[D]3,16]	◇	AEDC TC 273 WRAPAROUND FIN, BIF]	45.000	22.500	1.750	3.000
[D]3,20]	△	AEDC TC 273 WRAPAROUND FIN, BIF]	45.000	45.000	1.750	3.000
[D]3,24]	⋈	AEDC TC 273 WRAPAROUND FIN, BIF]	45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

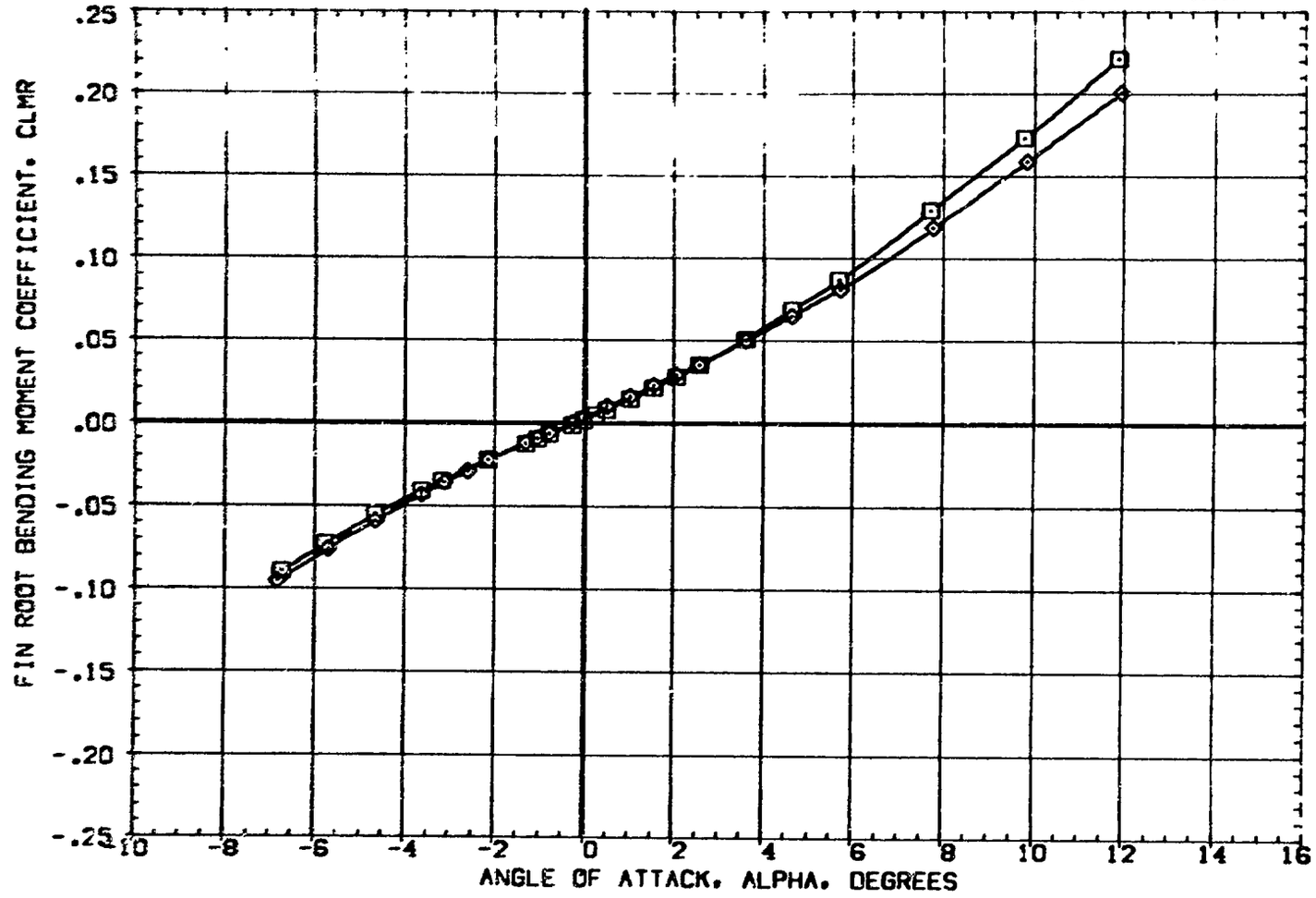


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[D]MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3,03)	□	DATA NOT AVAILABLE	45.000	-10.000	1.750	3.000
(CX3,16)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	3.000
(CX3,20)	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	3.000
(CX3,24)	X	DATA NOT AVAILABLE	45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



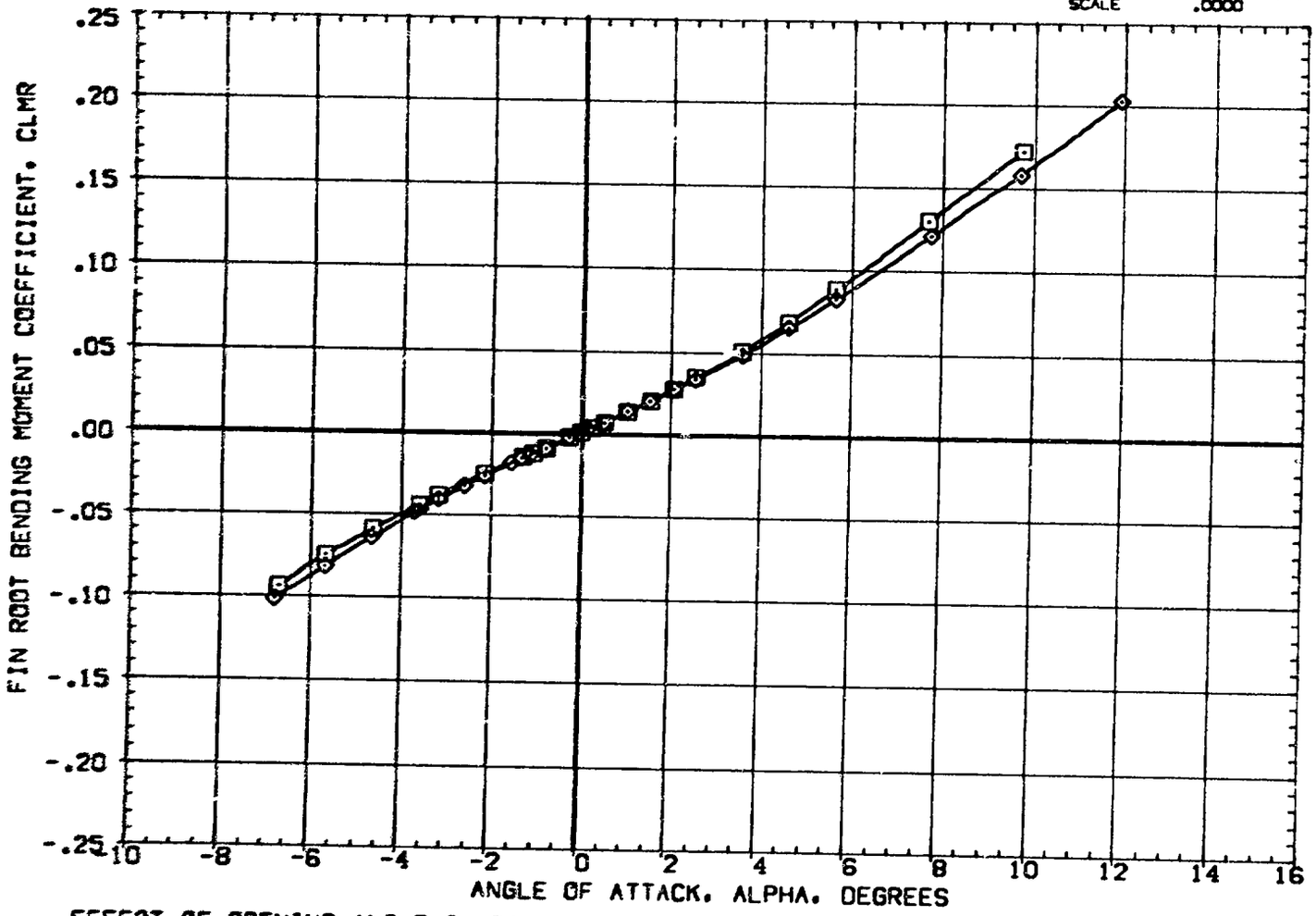
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C)3.03	◇	DATA NOT AVAILABLE
(C)3.16	□	AEDC TC 273 WRAPAROUND FIN, BIF1
(C)3.20	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1
(C)3.24	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	3.000
45.000	22.500	1.750	3.000
45.000	45.000	1.750	3.000
45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



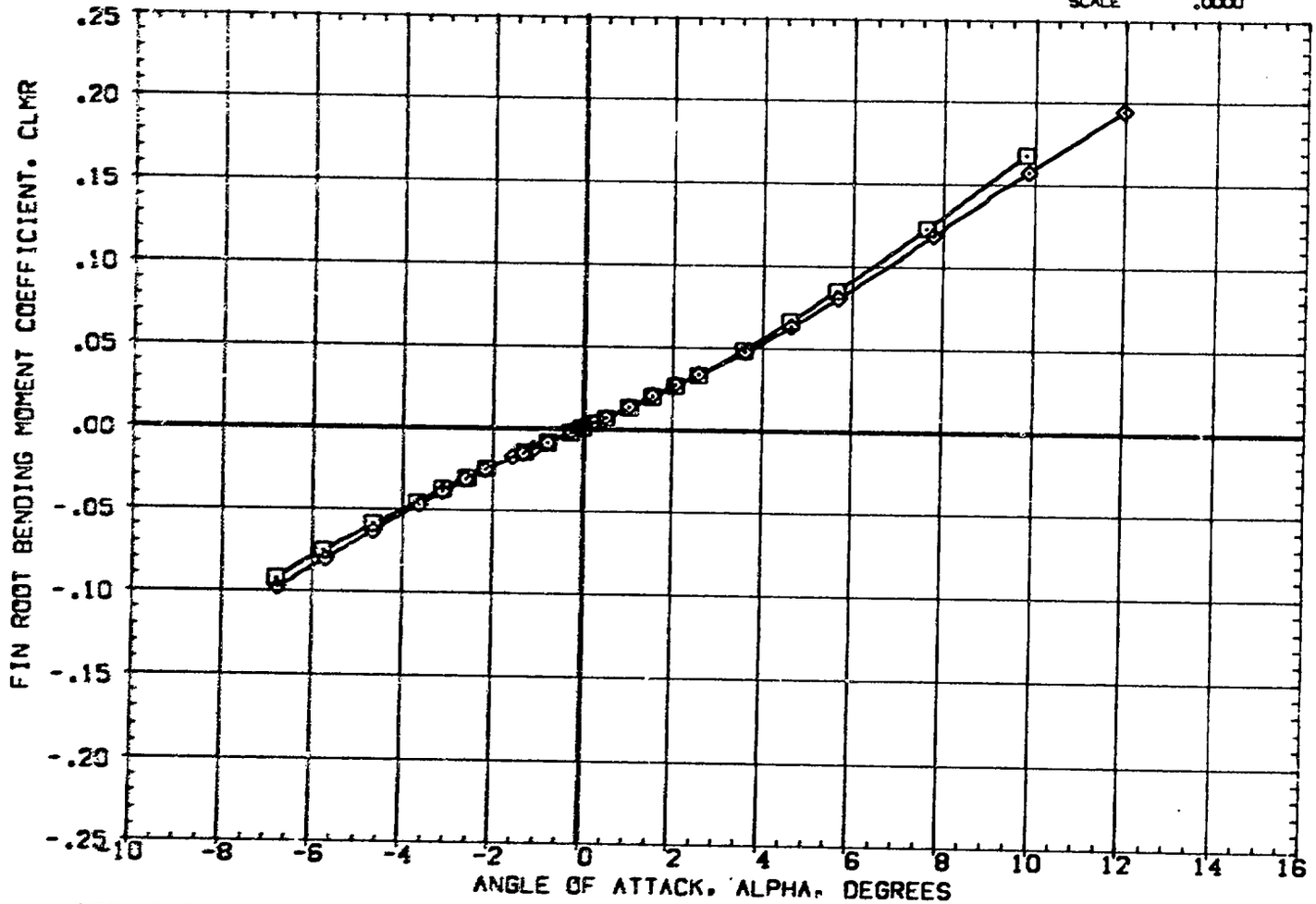
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(Cx3.03)	□	DATA NOT AVAILABLE
(Cx3.16)	○	AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3.20)	⋈	AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3.24)	✕	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	3.000
45.000	22.500	1.750	3.000
45.000	45.000	1.750	3.000
45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



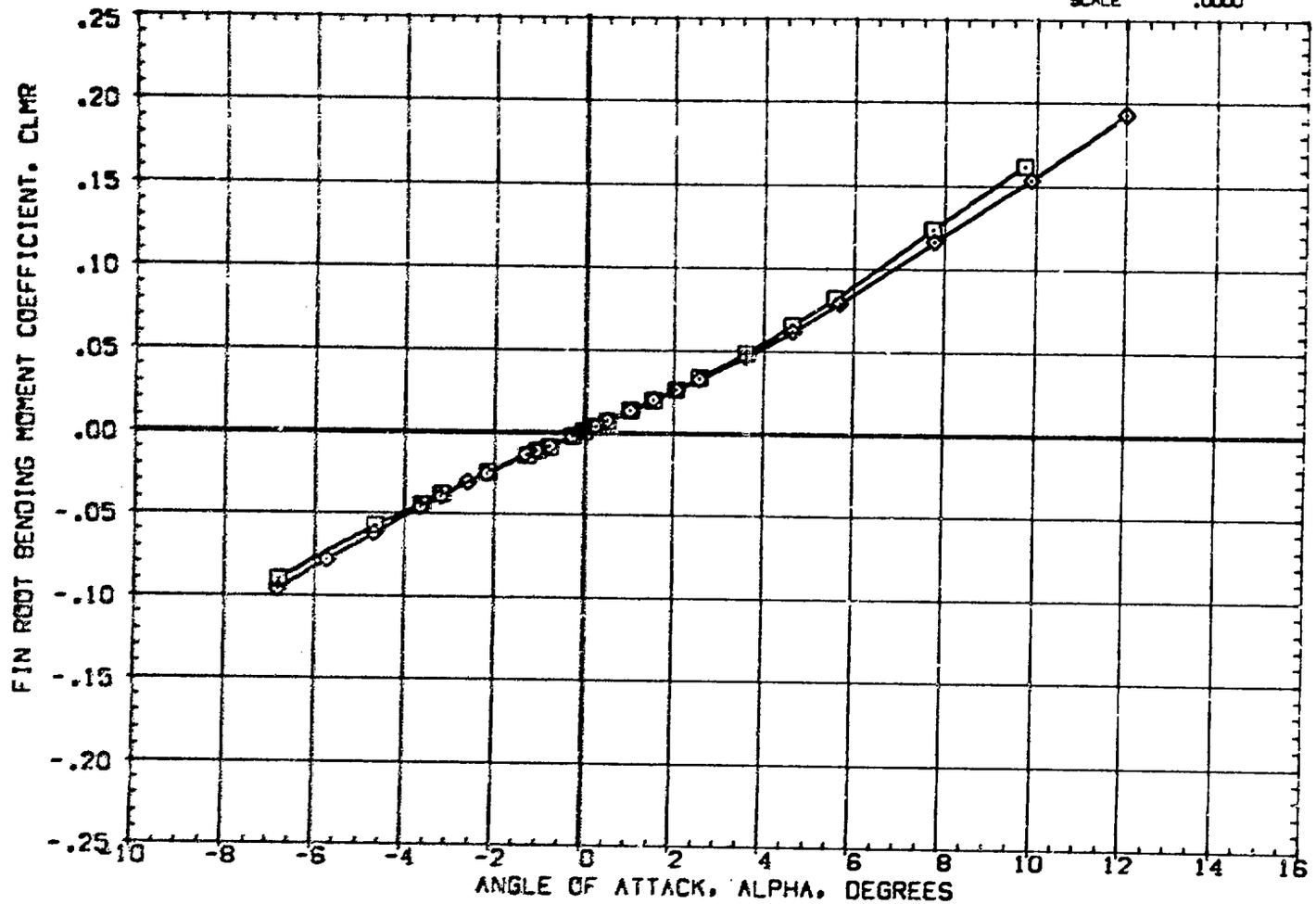
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3,03]	□	DATA NOT AVAILABLE
[CX3,16]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
[CX3,20]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1
[CX3,24]	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	3.000
45.000	22.500	1.750	3.000
45.000	45.000	1.750	3.000
45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

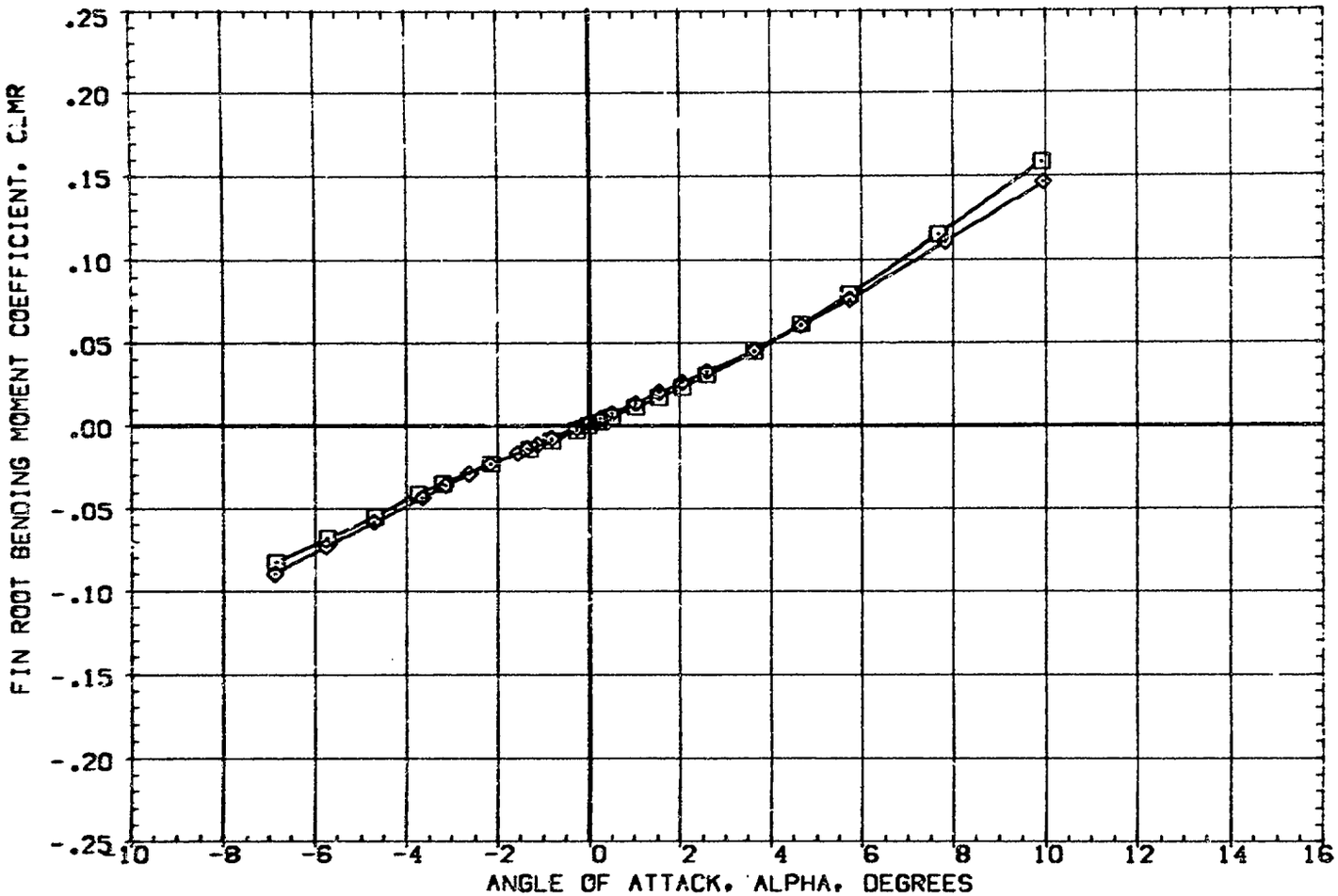


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(+)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(Cx3J03)	○	DATA NOT AVAILABLE	45.000	-10.000	1.750	3.000
(Cx3J16)	□	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	3.000
(Cx3J20)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	3.000
(Cx3J21)	△	DATA NOT AVAILABLE	45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



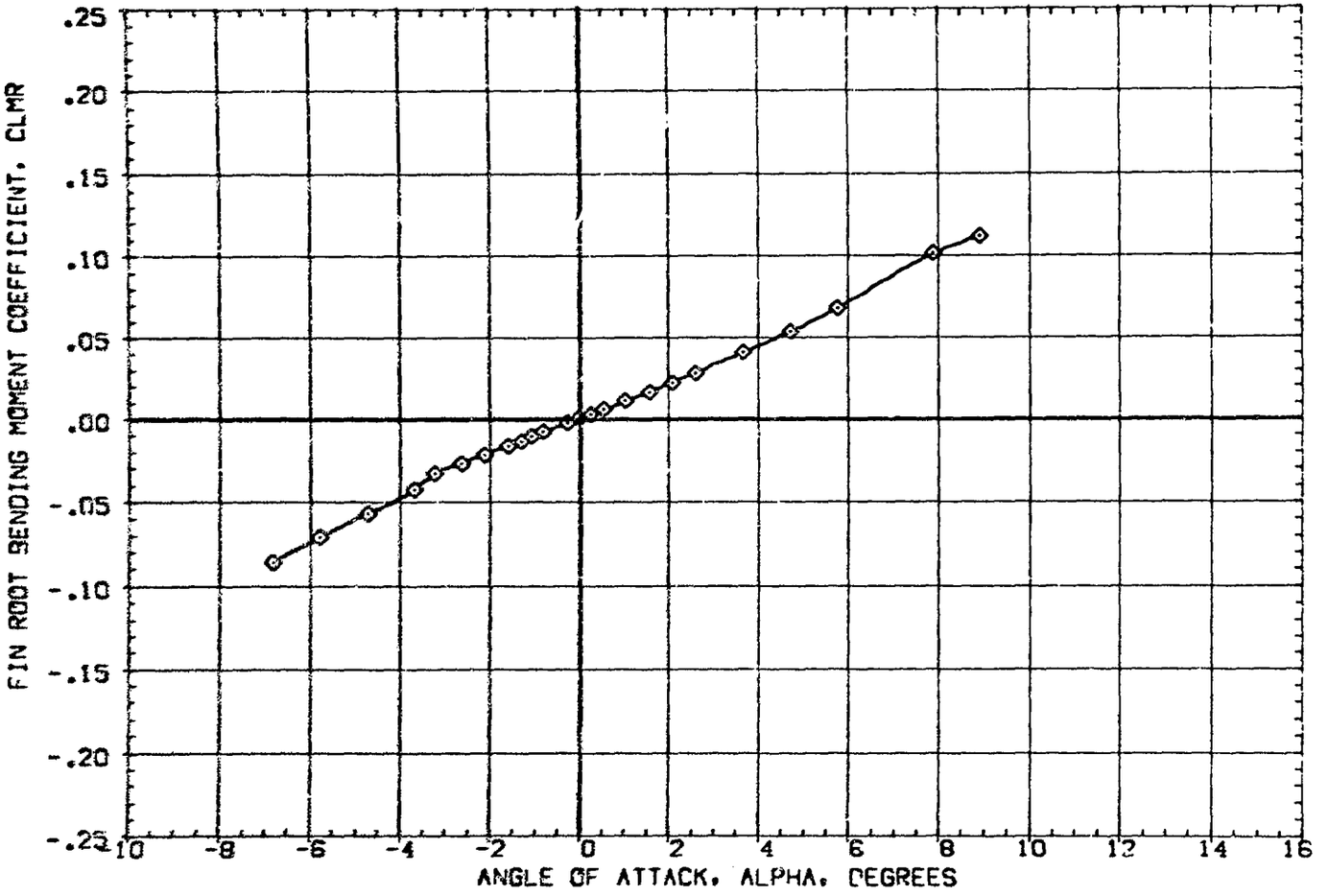
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(1)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3,03)	○	DATA NOT AVAILABLE
(CX3,16)	□	DATA NOT AVAILABLE
(CX3,20)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3,24)	⊠	DATA NOT AVAILABLE

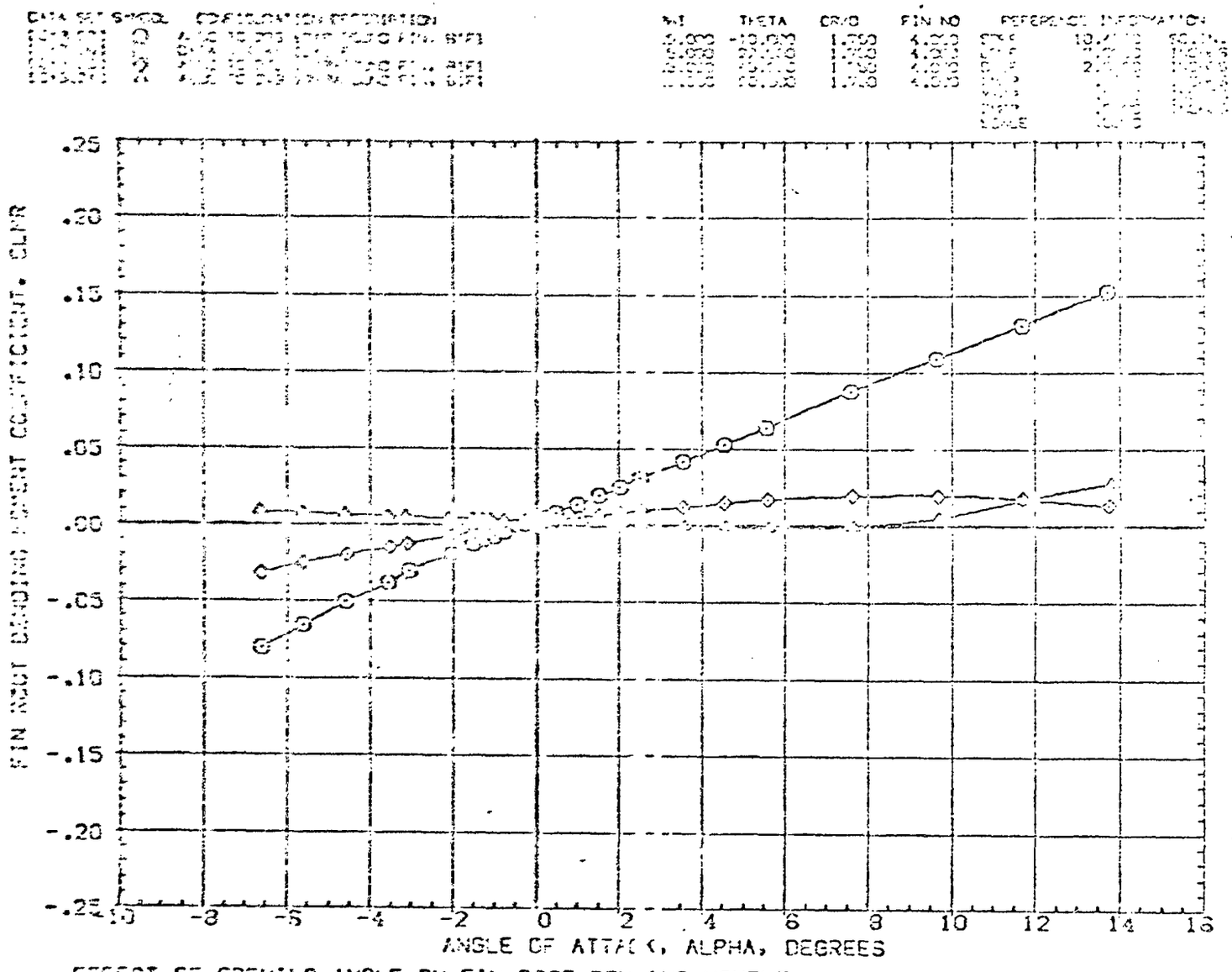
PHI	THETA	CR/B	FIN NO
45.000	-10.000	1.750	3.000
45.000	22.500	1.750	3.000
45.000	45.000	1.750	3.000
45.000	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30



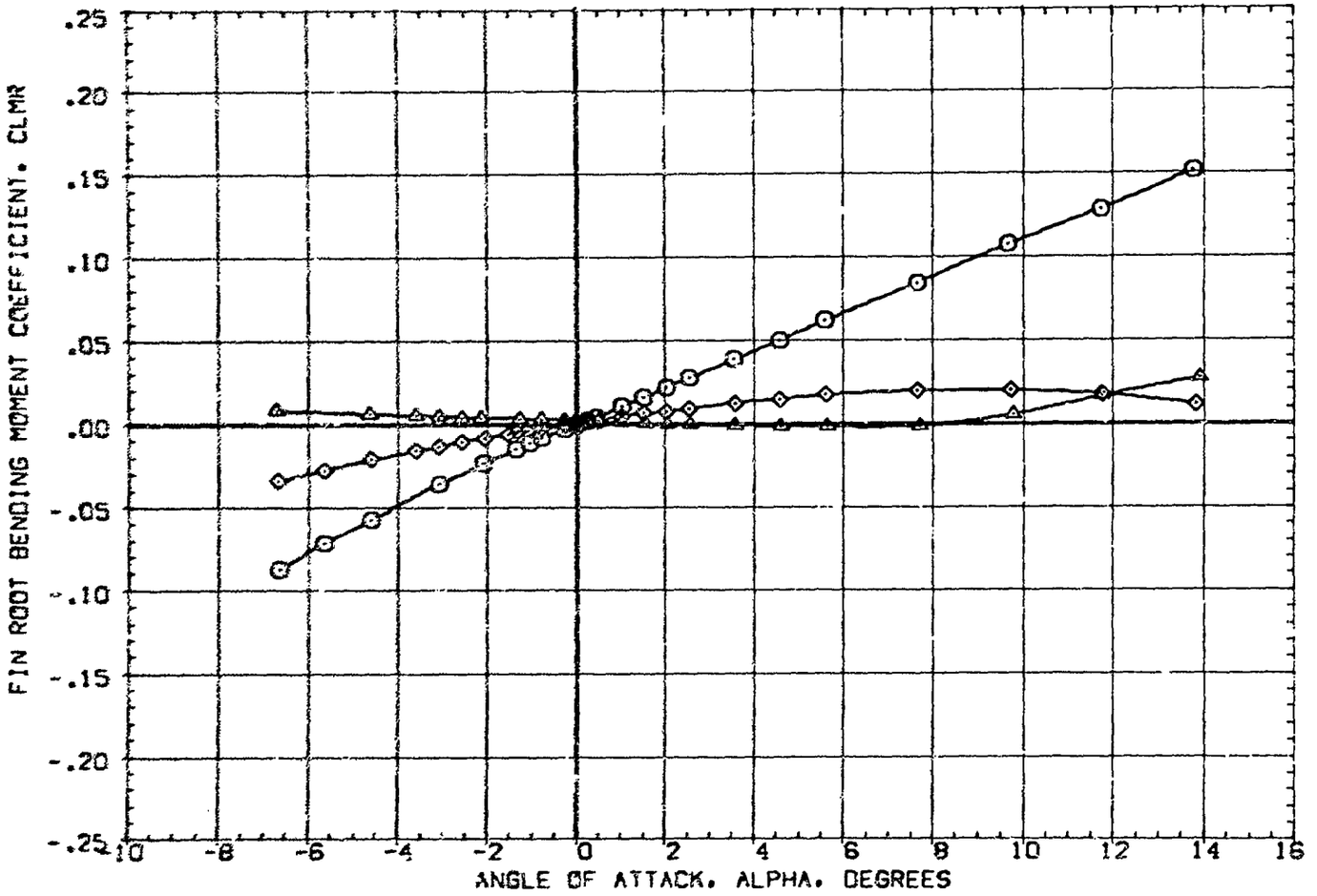
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .3

Reproduced from best available copy.

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C=1.03)	○	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	-10.000	1.750	4.000
(C=1.16)		DATA NOT AVAILABLE	45.000	22.500	1.750	4.000
(C=1.20)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	4.000
(C=1.24)	△	AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

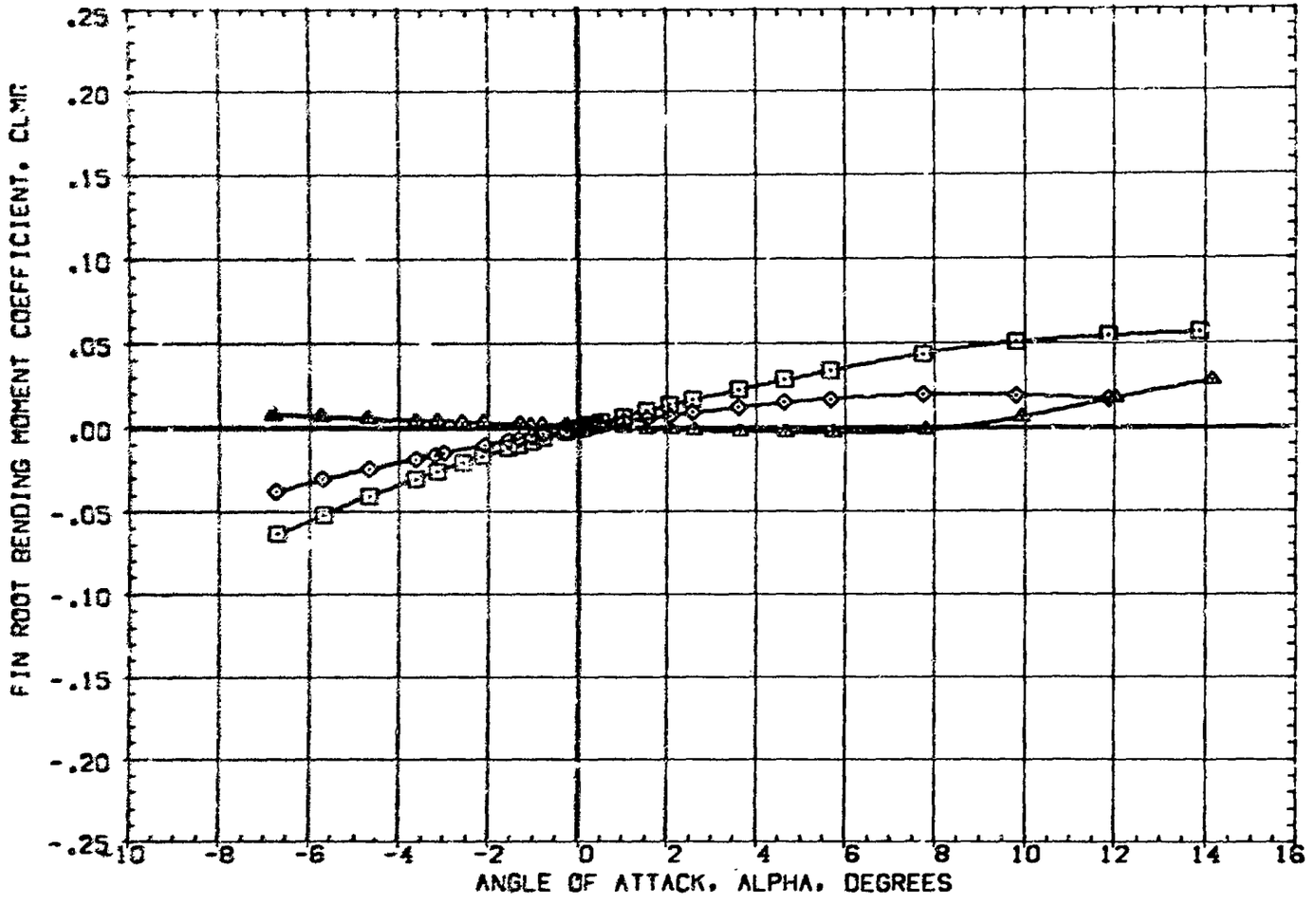


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3,C3)	○	DATA NOT AVAILABLE				
(C)3,18)	◇	AEDC TC 273 WRAPAROUND FIN, BIFI	45.000	-10.000	1.750	4.000
(C)3,20)	◇	AEDC TC 273 WRAPAROUND FIN, BIFI	45.000	22.500	1.750	4.000
(C)3,21)	◇	AEDC TC 273 WRAPAROUND FIN, BIFI	45.000	45.000	1.750	4.000
(C)3,24)	◇	AEDC TC 273 WRAPAROUND FIN, BIFI	45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

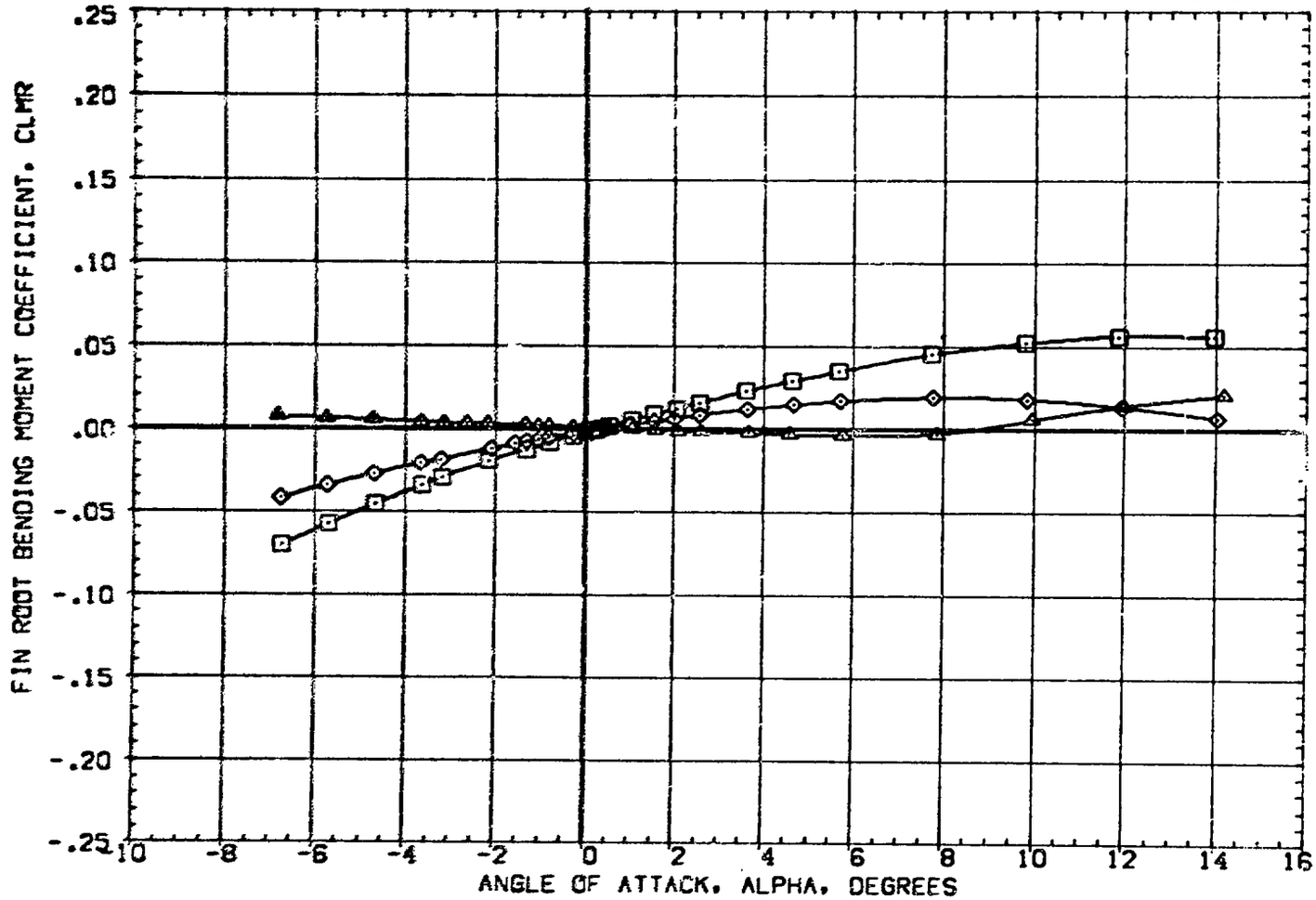


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3.03]		DATA NOT AVAILABLE				
[XX3.16]		AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	-10.000	1.750	4.000
[CX3.20]		AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	4.000
[CX3.24]		AEDC TC 273 WRAPAROUND FIN, BIF1	45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

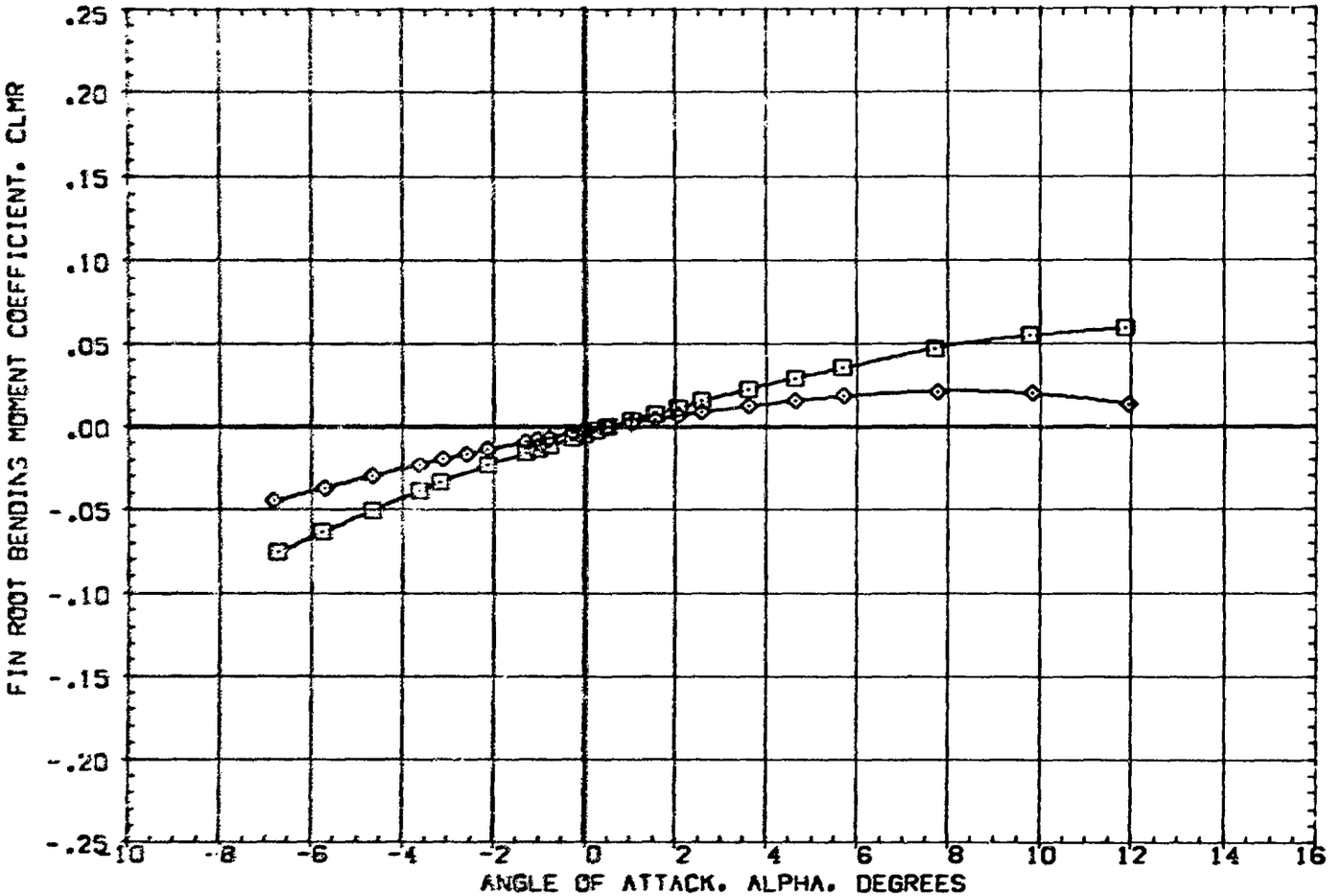


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[]MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(□=1.03)	□	DATA NOT AVAILABLE	45.000	-10.000	1.750	4.000
(◇=1.16)	◇	AEDC IC 273 WRAPAROUND FIN, BIF1	45.000	22.500	1.750	4.000
(○=1.20)	○	AEDC IC 273 WRAPAROUND FIN, BIF1	45.000	45.000	1.750	4.000
(▽=1.24)	▽	DATA NOT AVAILABLE	45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



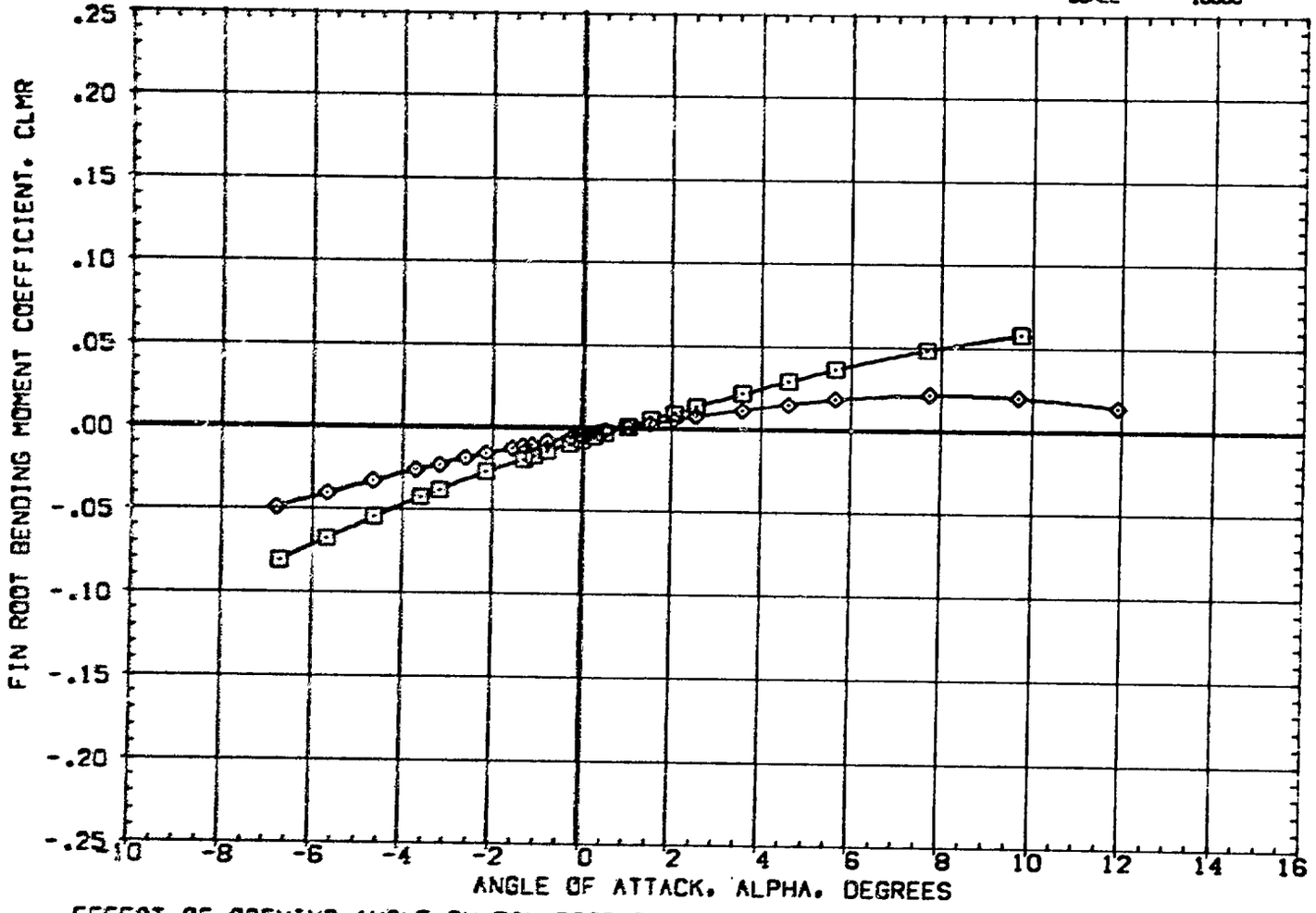
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(□)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3,03]	□	DATA NOT AVAILABLE
[WX3,15]	◇	AEDC TF 273 WRAPAROUND FIN, BIF1
[CX3,23]	⊠	AEDC TF 273 WRAPAROUND FIN, BIF1
[CX3,24]	⊠	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
45.000	-10.000	1.750	4.000
45.000	22.500	1.750	4.000
45.000	45.000	1.750	4.000
45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

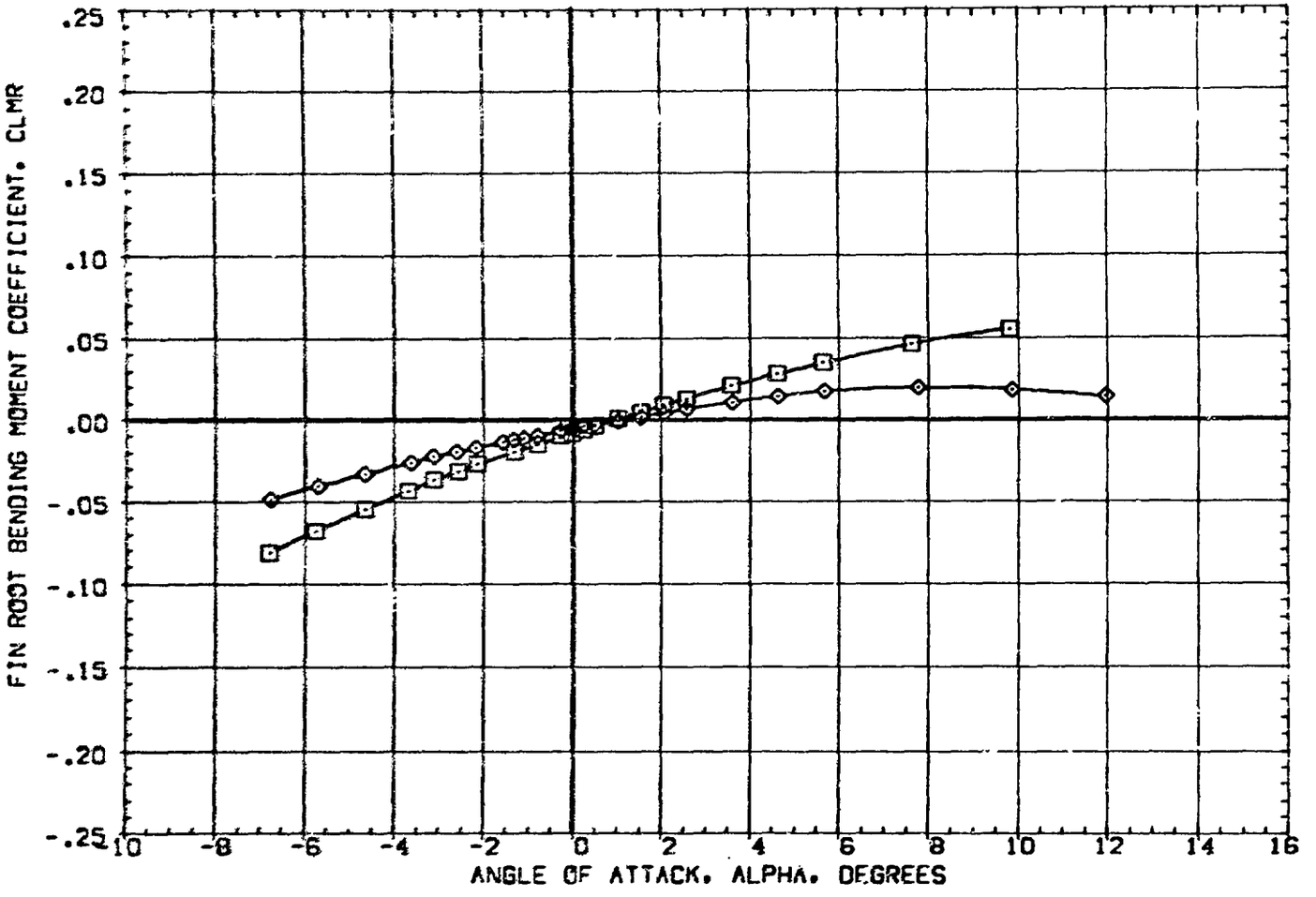


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C=3,03)	○	DATA NOT AVAILABLE	45.000	-10.000	1.750	4.000
(C=3,16)	◇	AEDC TC 273 YRAPAROUND FIN, BIF1	45.000	22.500	1.750	4.000
(C=3,20)	⊗	AEDC TC 273 YRAPAROUND FIN, BIF1	45.000	45.000	1.750	4.000
(C=3,24)	⁘	DATA NOT AVAILABLE	45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

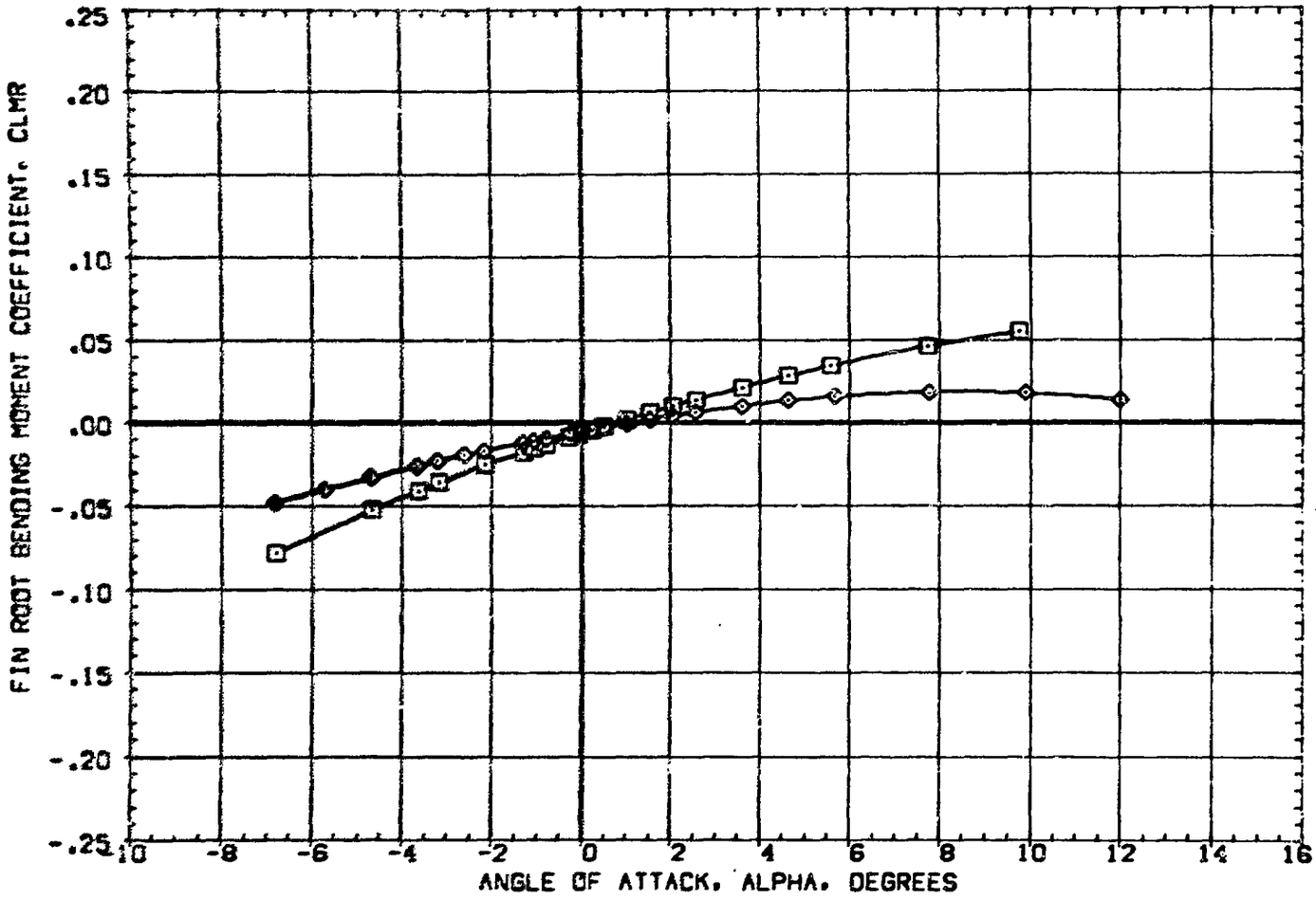


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3.03]		DATA NOT AVAILABLE	45.000	-10.000	1.750	4.000
[CX3.16]	⊠	AEDC TC 273 VRAPARSUAD FIN, BIF1	45.000	22.500	1.750	4.000
[CX3.20]	◇	AEDC TC 273 VRAPARSUAD FIN, BIF1	45.000	45.000	1.750	4.000
[CX3.24]		DATA NOT AVAILABLE	45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

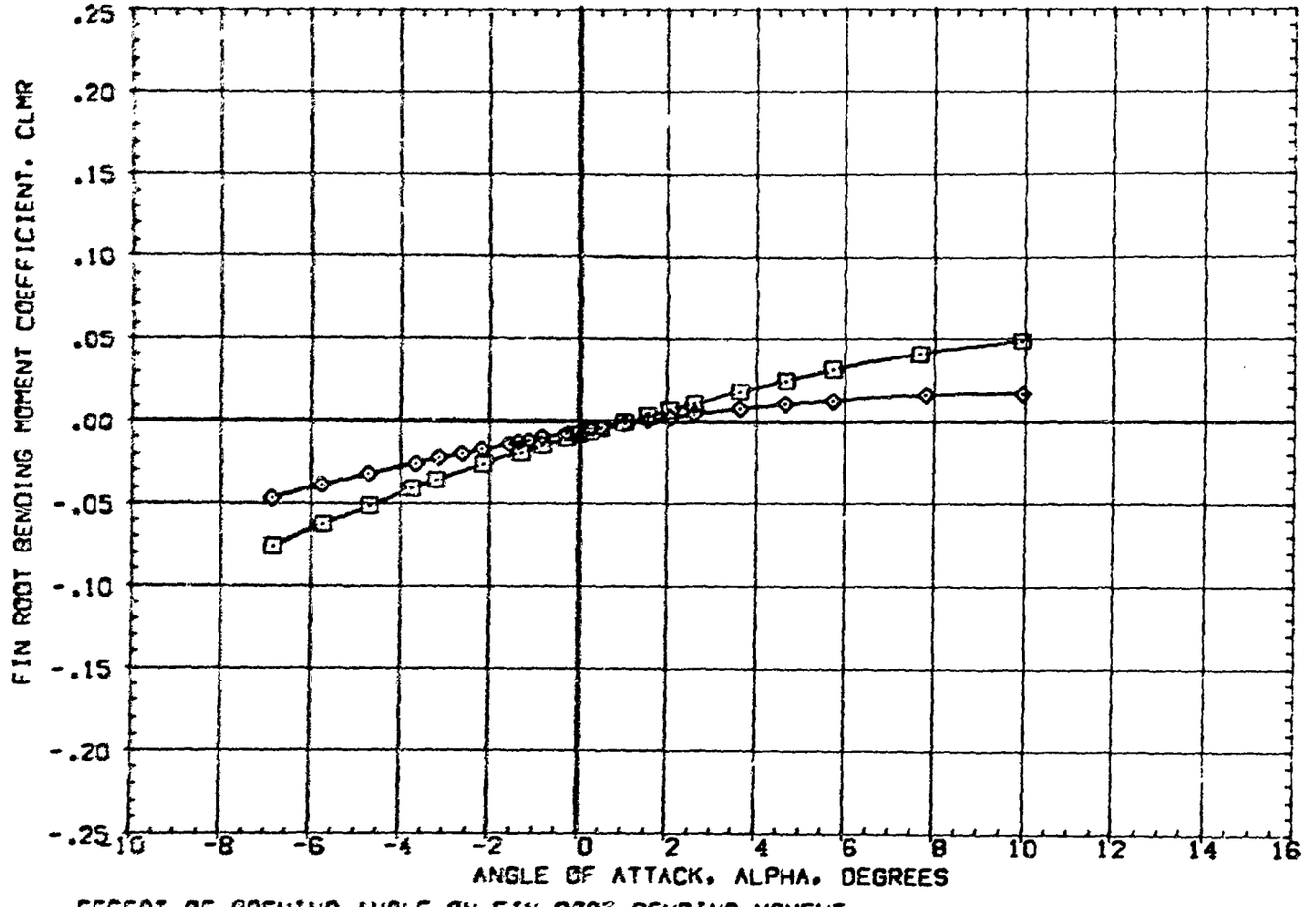


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C+3.03]	○	DATA NOT AVAILABLE	45.000	-10.000	1.750	4.000
[C+3.16]	◇	AEDC IC 273 WRAPAROUND FIN, BIF]	45.000	22.500	1.750	4.000
[C+3.15]	⊠	AEDC IC 273 WRAPAROUND FIN, BIF]	45.000	45.000	1.750	4.000
[C+3.24]	⋈	DATA NOT AVAILABLE	45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

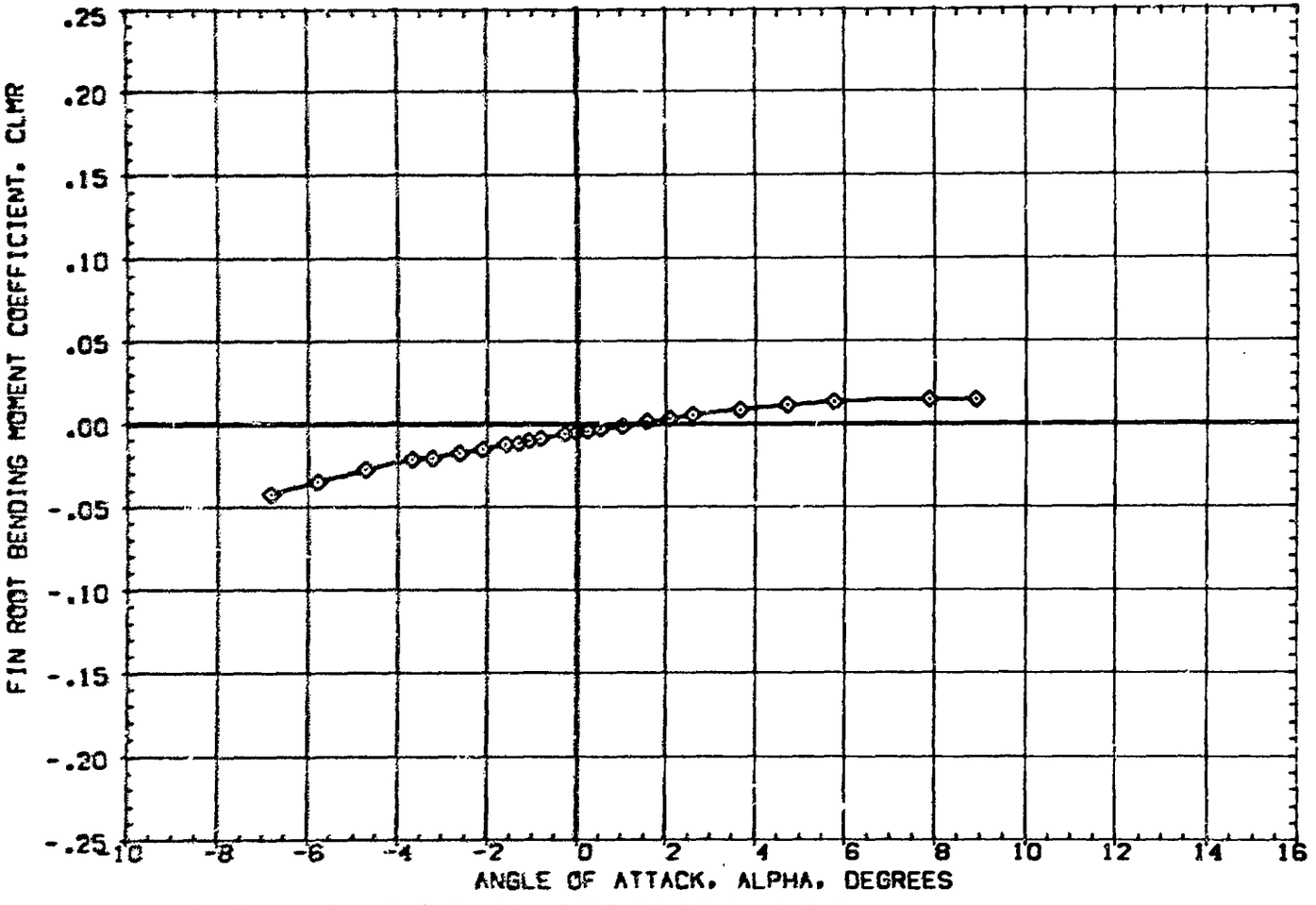


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(□)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C=1.03]	DATA NOT AVAILABLE	45.000	-10.000	1.750	4.000
[V=1.16]	DATA NOT AVAILABLE	45.000	22.500	1.750	4.000
[C=1.20]	AEDC TC 273 WRAPAROUND FIN, BIF)	45.000	45.000	1.750	4.000
[C=1.24]	DATA NOT AVAILABLE	45.000	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



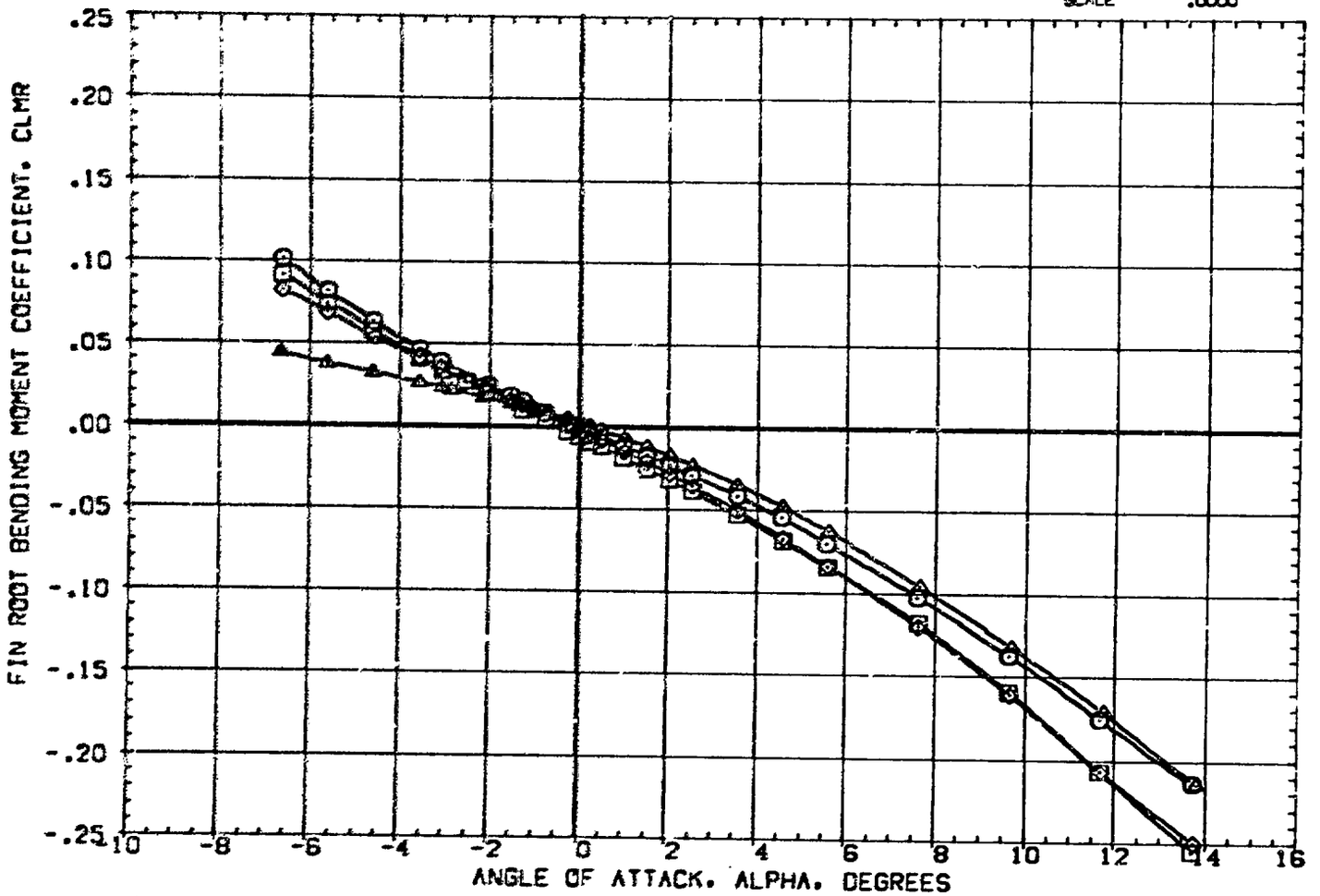
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	□	AEDC TC 273 WRAPAROUND FIN, BIF1
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
[illegible]	▽	AEDC TC 273 WRAPAROUND FIN, BIF1
[illegible]	✕	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	1.000
67.500	22.500	1.750	1.000
67.500	45.000	1.750	1.000
67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



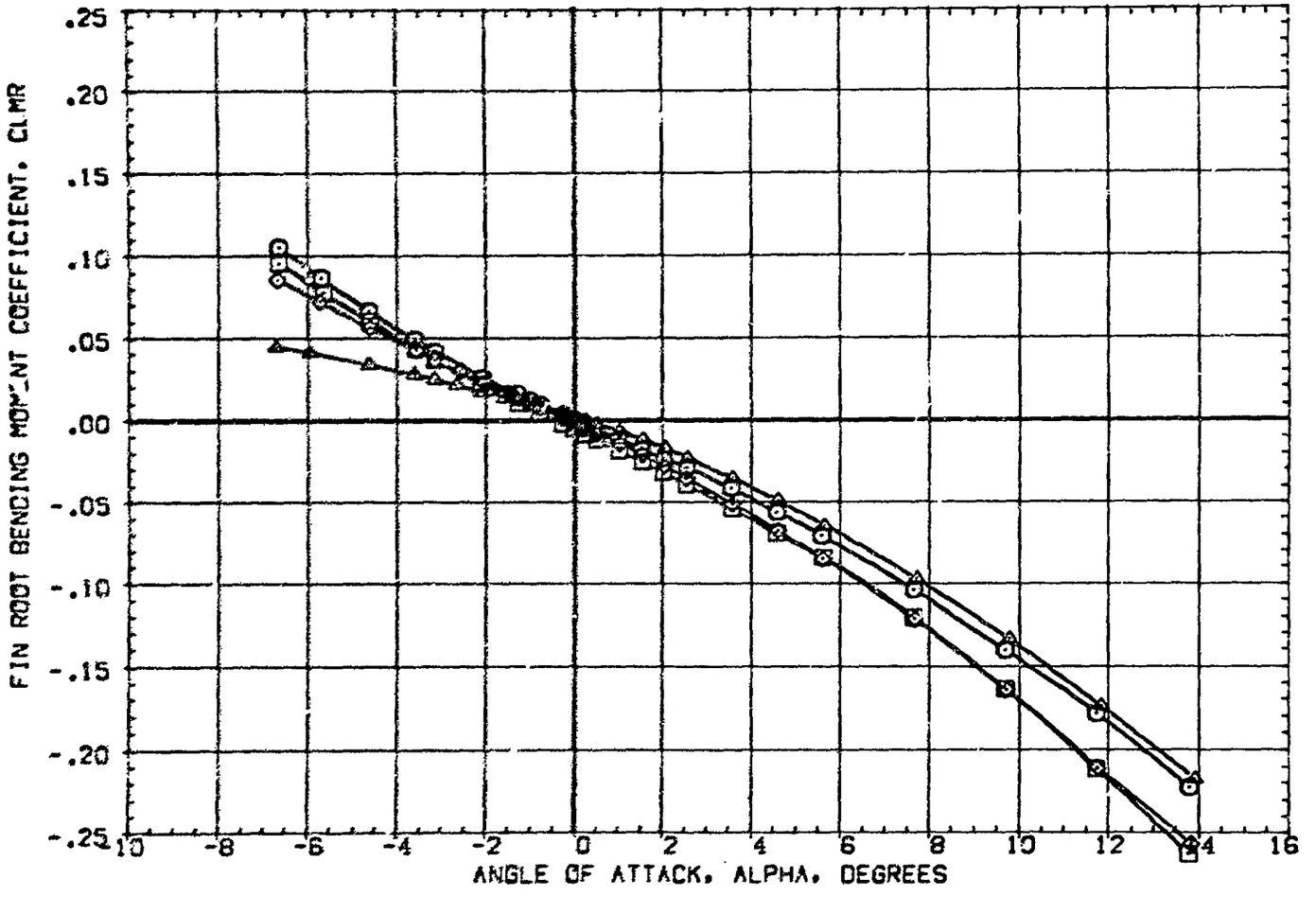
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[CX3104]	□	AERO TC 273 WRAPAROUND FIN, BIF1
[CX3117]	◇	AERO TC 273 WRAPAROUND FIN, BIF1
[CX3121]	✕	AERO TC 273 WRAPAROUND FIN, BIF1
[CX3125]	△	AERO TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	1.000
67.500	22.500	1.750	1.000
67.500	45.000	1.750	1.000
67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



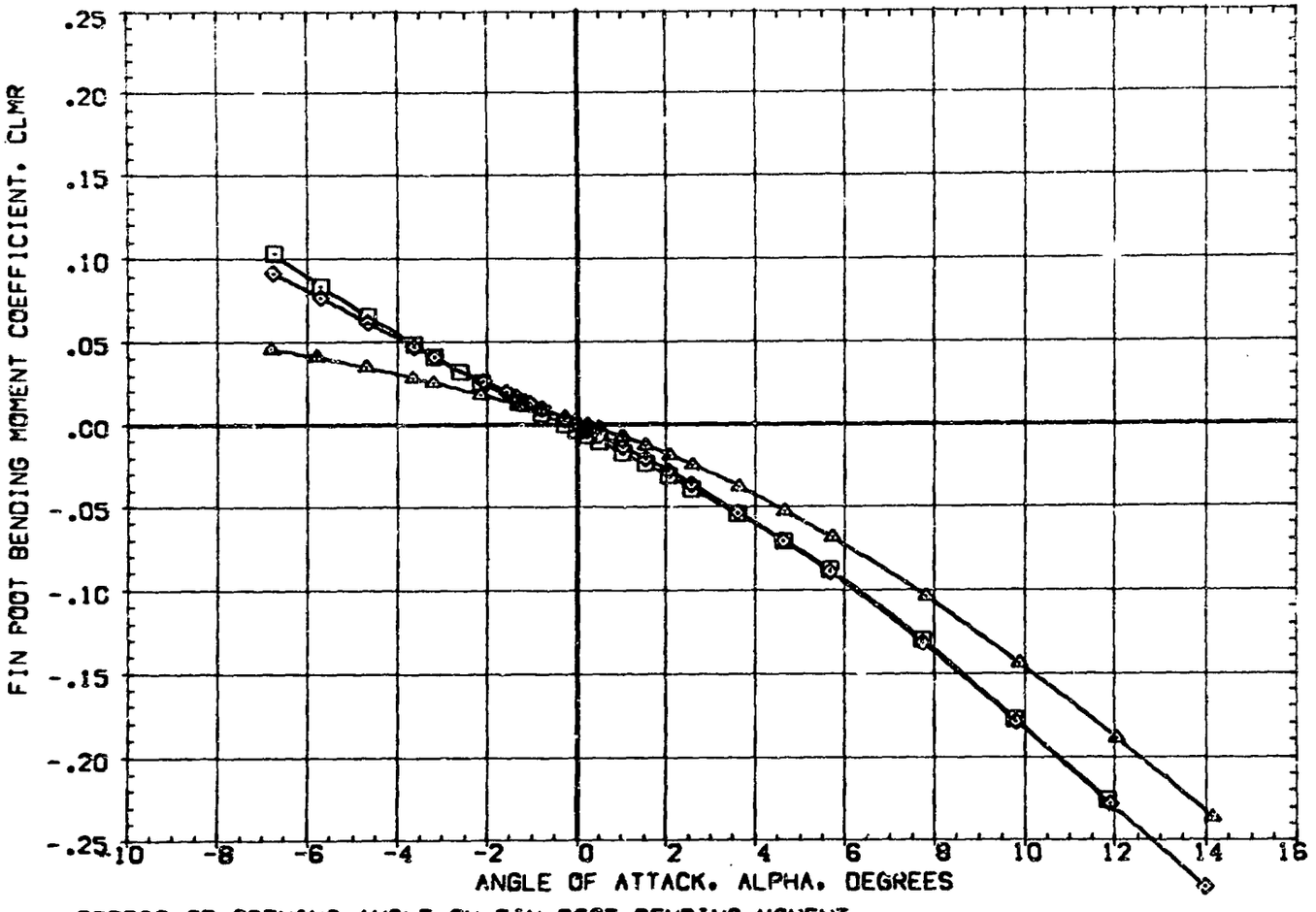
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(3)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[Cx3T04]	□	DATA NOT AVAILABLE
[Cx3T17]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
[Cx3T21]	△	AEDC TC 273 WRAPAROUND FIN, BIF1
[Cx3T25]	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	1.000
67.500	22.500	1.750	1.000
67.500	45.000	1.750	1.000
67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



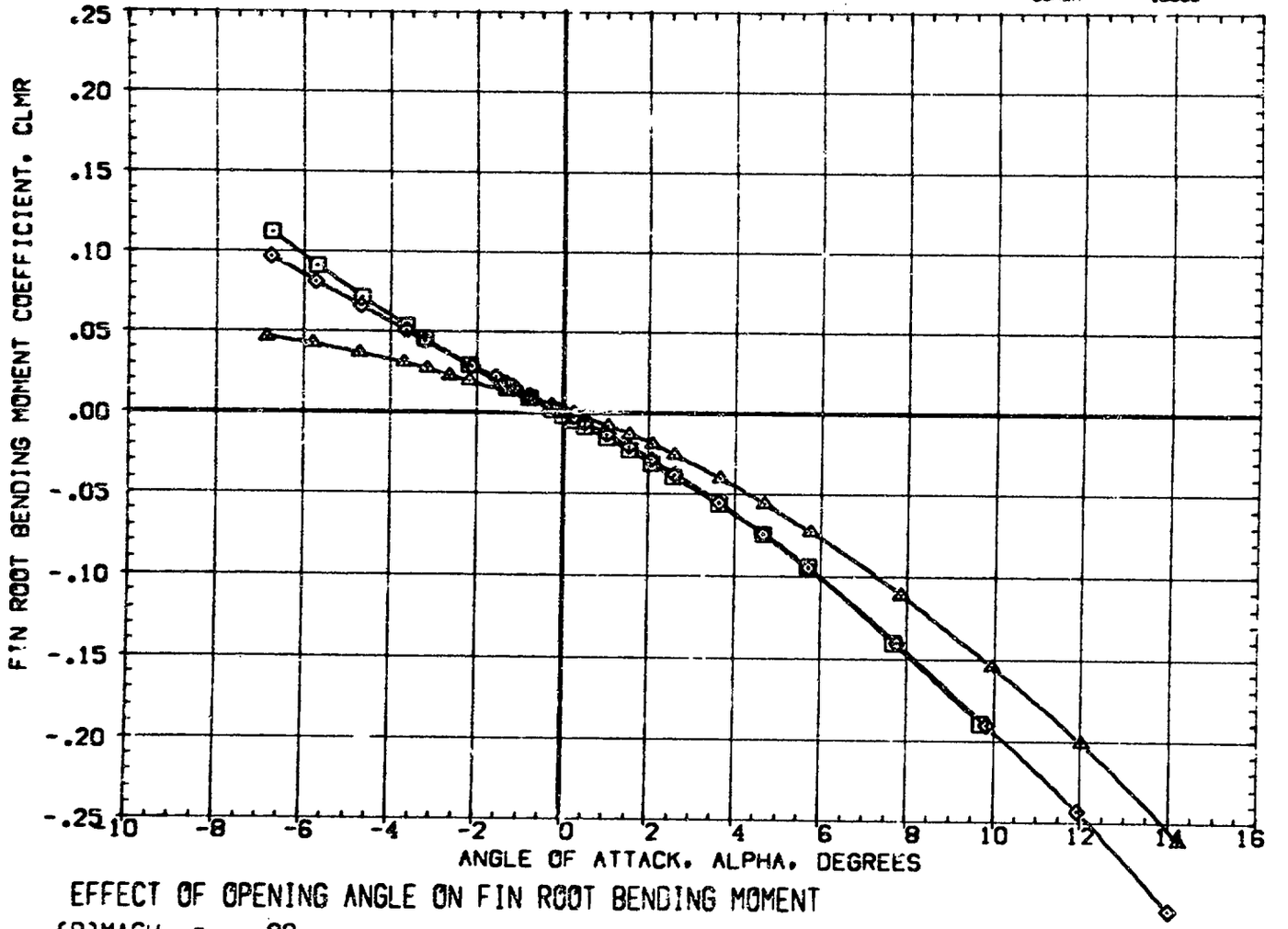
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(Cx3T04)	□	DATA NOT AVAILABLE
(Cx3T17)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3T21)	⋈	AEDC TC 273 WRAPAROUND FIN, BIF1
(Cx3T25)	△	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	1.000
67.500	22.500	1.750	1.000
67.500	45.000	1.750	1.000
67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



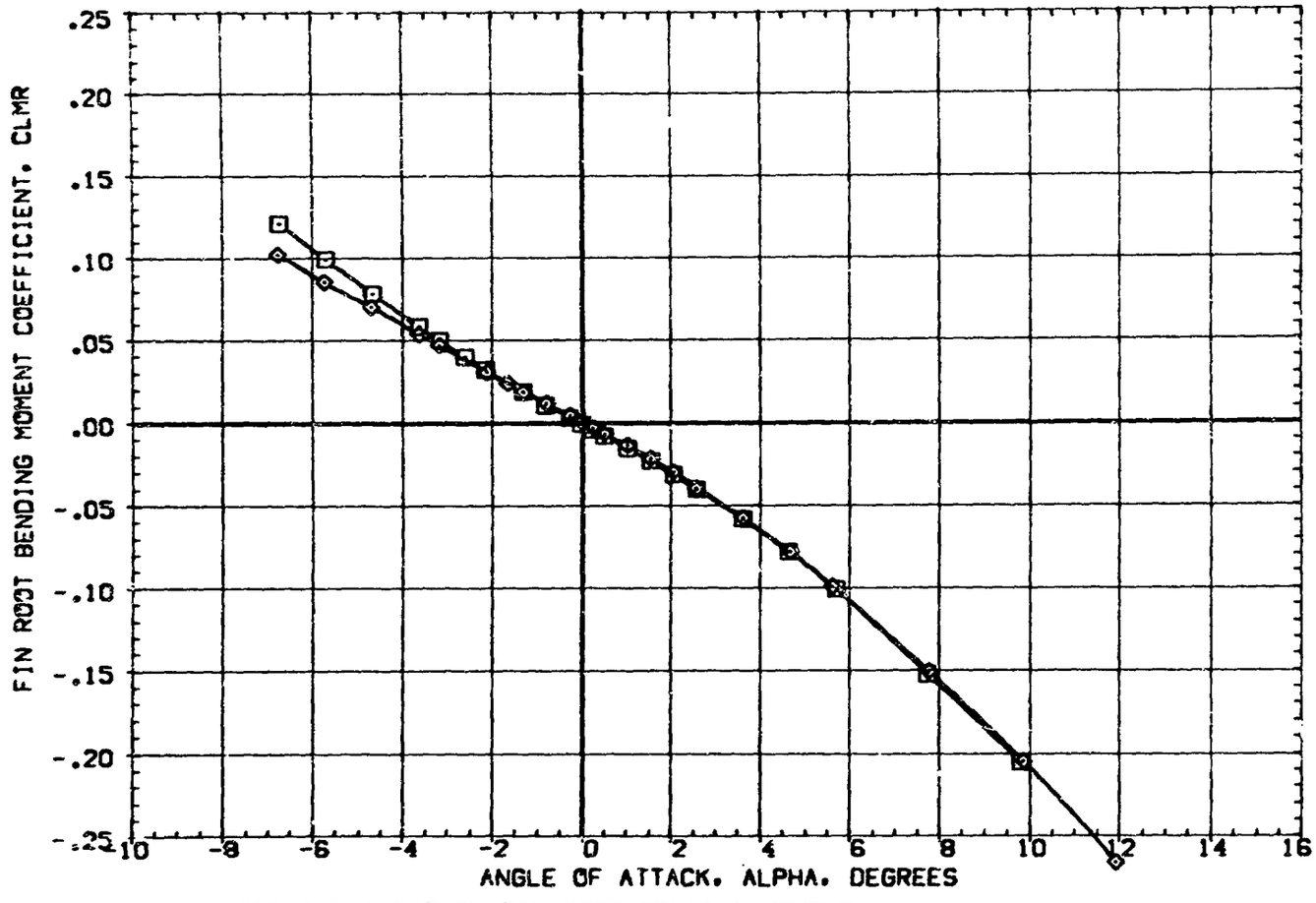
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[Cx3T04]	□	DATA NOT AVAILABLE
[Cx3T17]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
[Cx3T21]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1
[Cx3T25]	⊠	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	1.000
67.500	22.500	1.750	1.000
67.500	45.000	1.750	1.000
67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

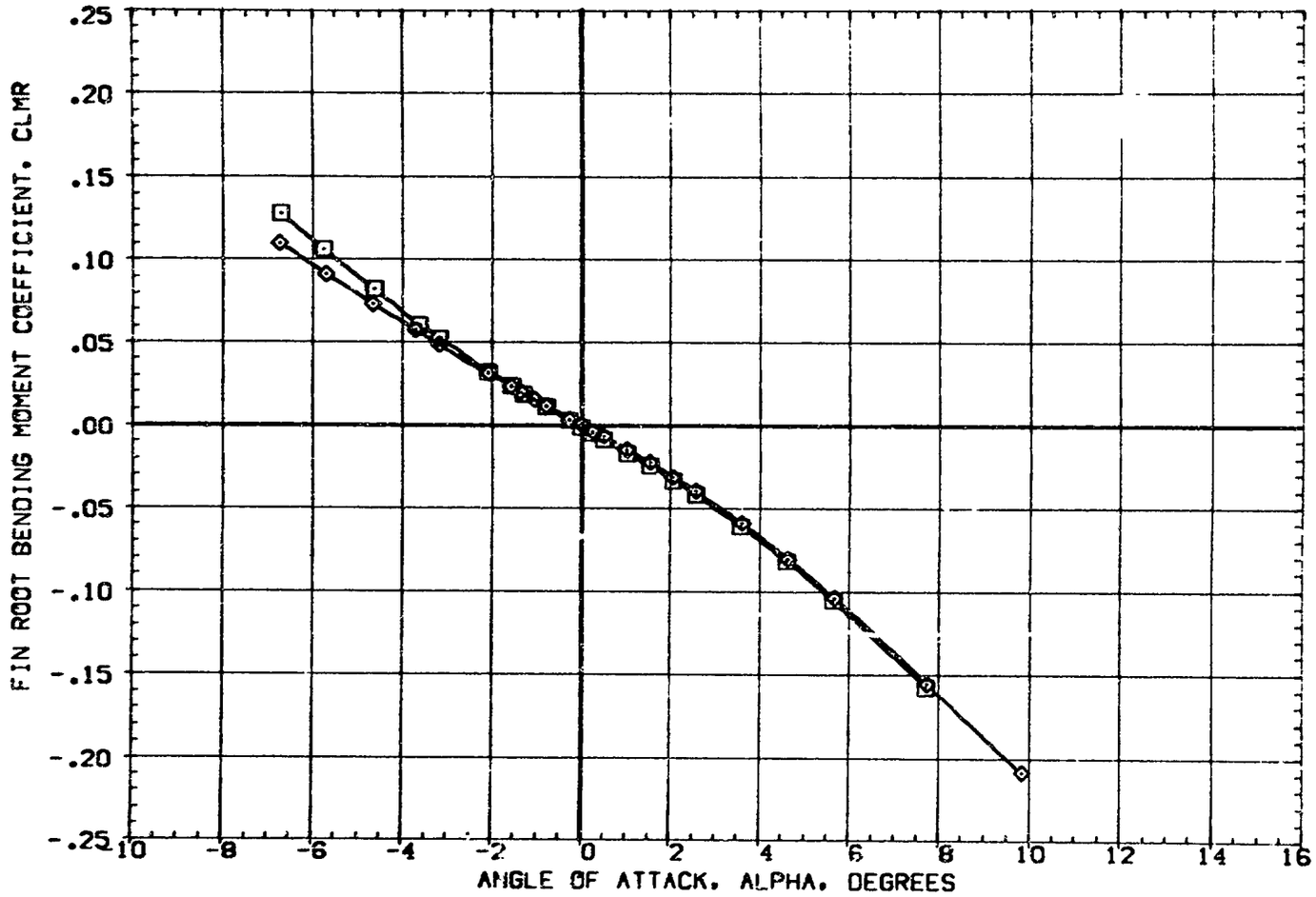


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3T04)	○	DATA NOT AVAILABLE	67.500	-10.000	1.750	1.000
(CX3T17)	□	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	1.000
(CX3T21)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	1.000
(CX3T25)	△	DATA NOT AVAILABLE	67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

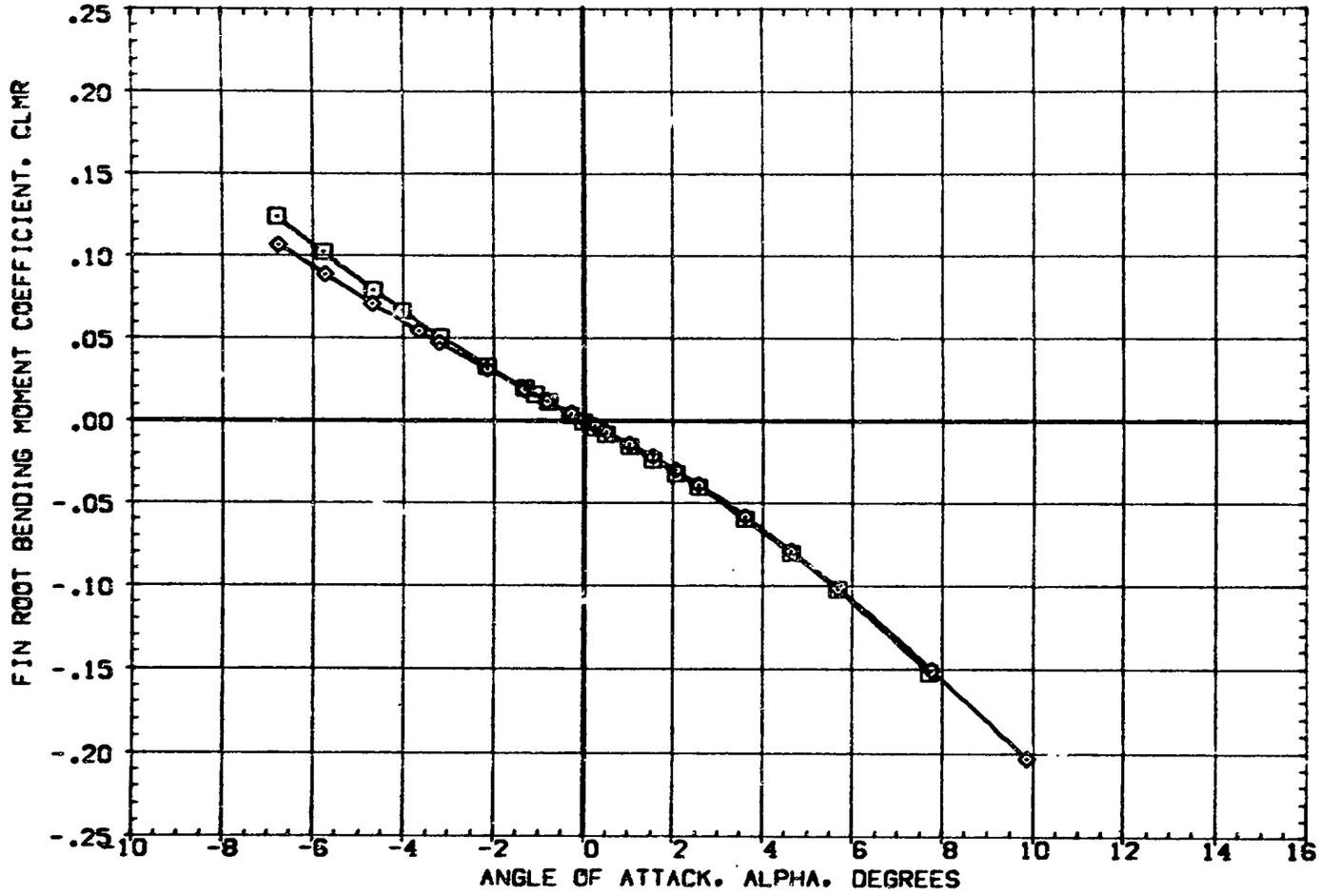


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[Cx3T04]	□	DATA NOT AVAILABLE	67.500	-10.000	1.750	1.000
[Cx3T17]	◇	AEDC TC 273 WRAPAROUND FIN, B1F1	67.500	22.500	1.750	1.000
[Cx3T21]	⊠	AEDC TC 273 WRAPAROUND FIN, B1F1	67.500	45.000	1.750	1.000
[Cx3T25]	⊠	DATA NOT AVAILABLE	67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

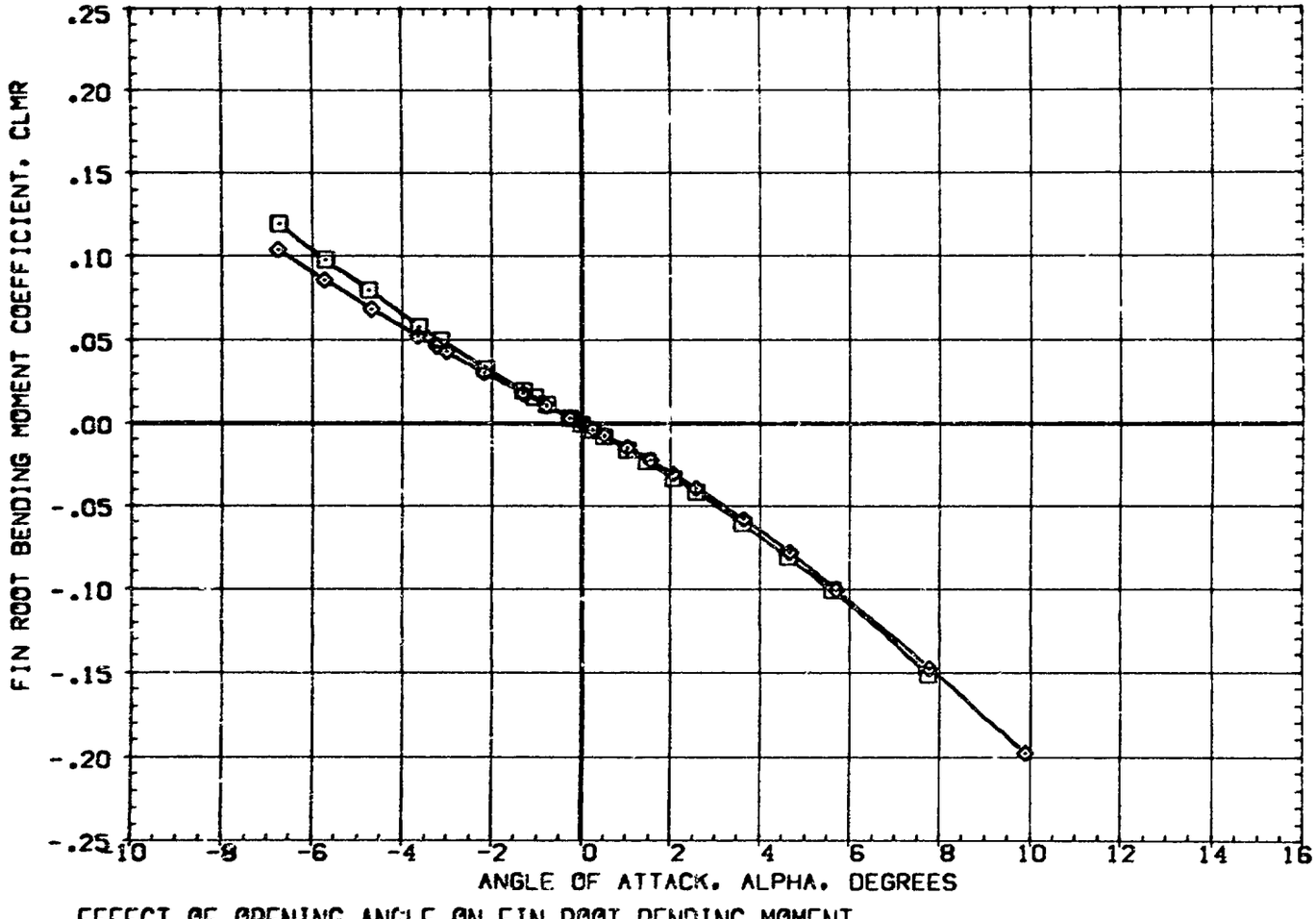


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[G]MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3104]	○	DATA NOT AVAILABLE	67.500	-10.000	1.750	1.000
[CX3117]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	1.000
[CX3121]	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	1.000
[CX3125]	⊠	DATA NOT AVAILABLE	67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

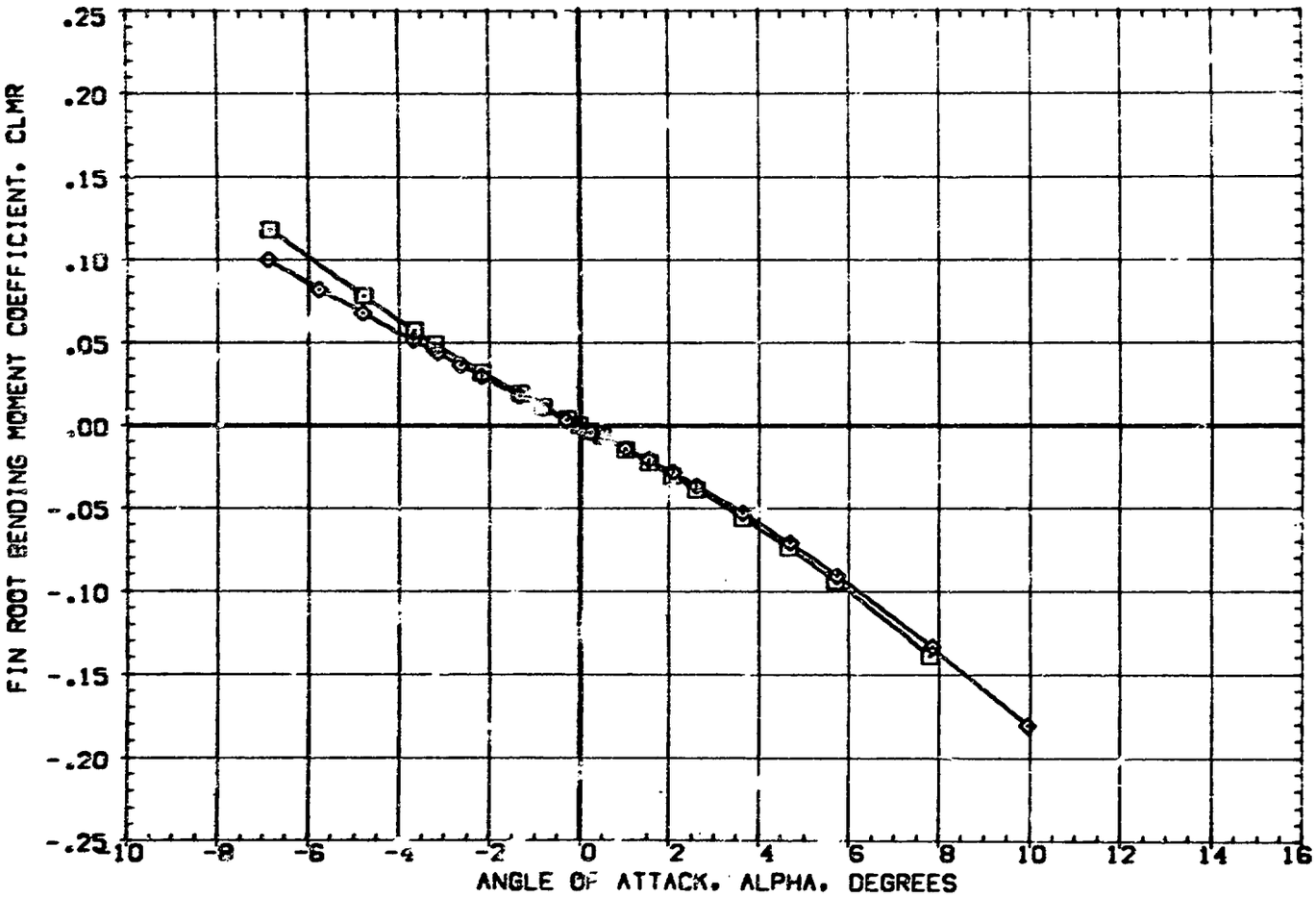


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[H]MACH = 1.09

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/2	FIN NO
(CX3T04)	□	DATA NOT AVAILABLE	67.500	-10.000	1.750	1.000
(CX3T17)	▽□	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	1.000
(CX3T21)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	15.000	1.750	1.000
(CX3T25)	△	DATA NOT AVAILABLE	67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



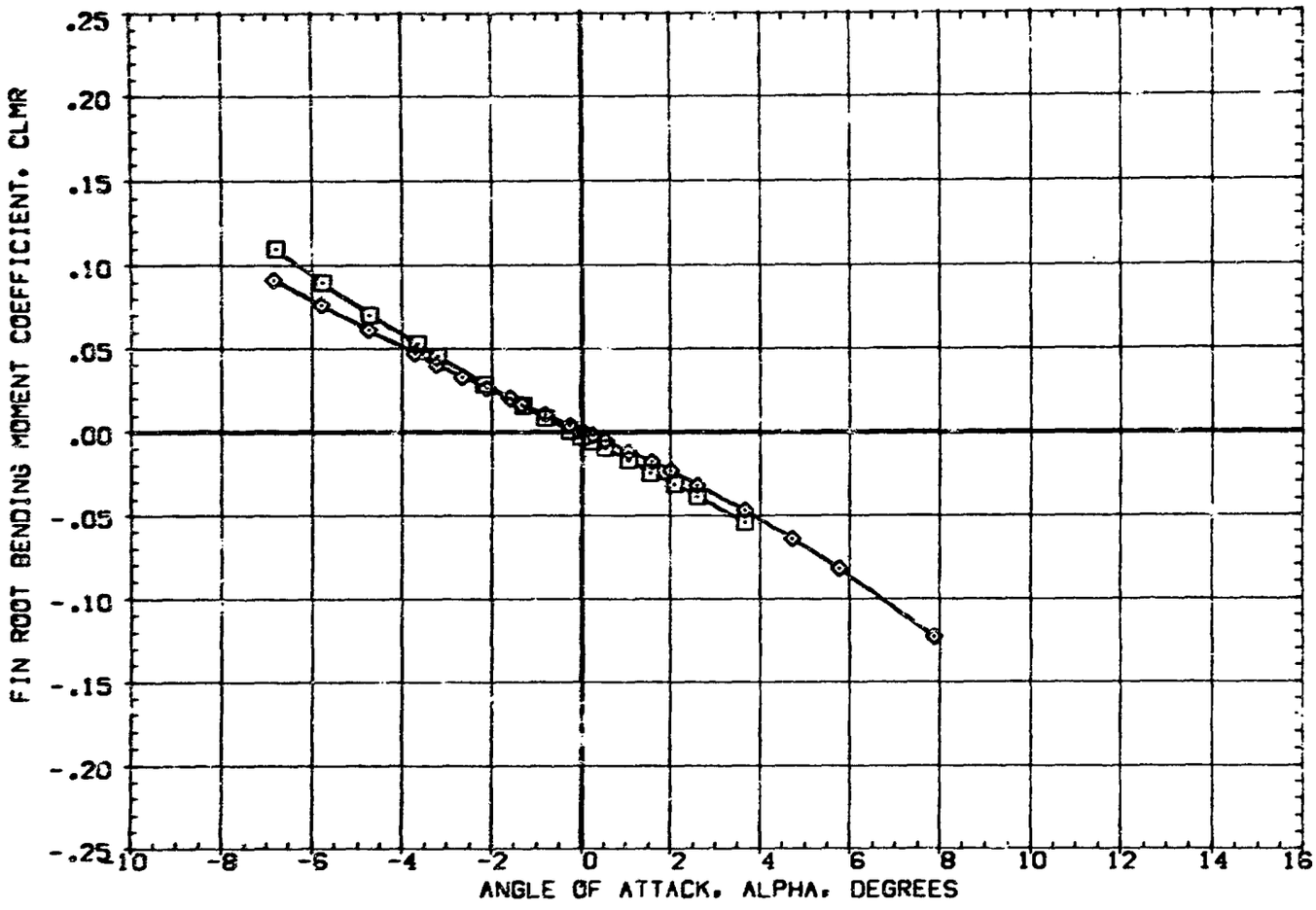
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(I)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3704)	○	DATA NOT AVAILABLE
(CX3717)	◇	AEDC TC 273 VRAPAROUND FIN, BIF1
(CX3721)	⊗	AEDC TC 273 VRAPAROUND FIN, BIF1
(CX3725)	⊠	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	1.000
67.500	22.500	1.750	1.000
67.500	45.000	1.750	1.000
67.500	90.000	1.750	1.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

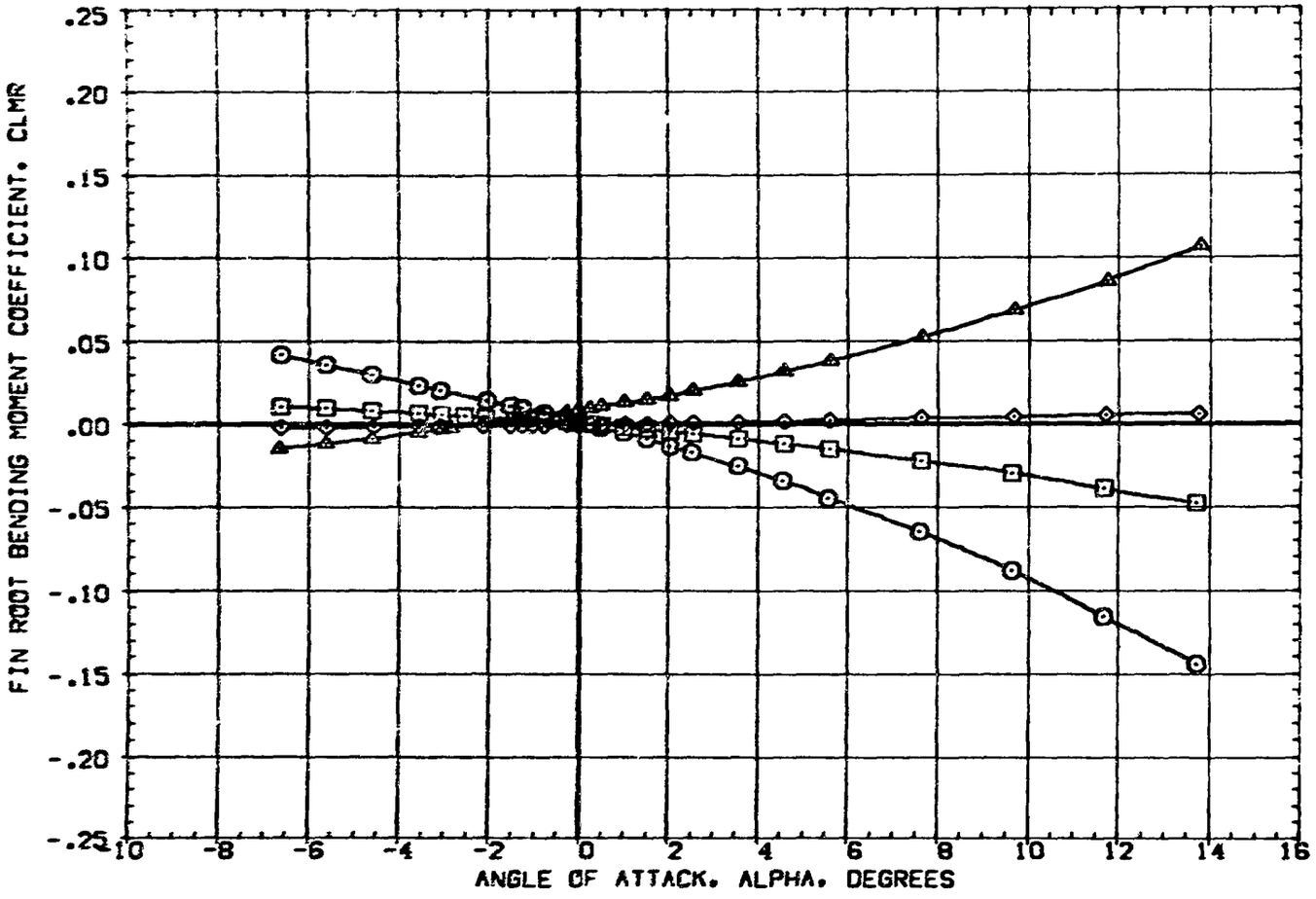


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3R04)	○	AEDC TC 273 VRAPAROUND FIN, BIF1	67.500	-10.000	1.750	2.000
(CX3R17)	□	AEDC TC 273 VRAPAROUND FIN, BIF1	67.500	22.500	1.750	2.000
(CX3R21)	◇	AEDC TC 273 VRAPAROUND FIN, BIF1	67.500	45.000	1.750	2.000
(CX3R25)	△	AEDC TC 273 VRAPAROUND FIN, BIF1	67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

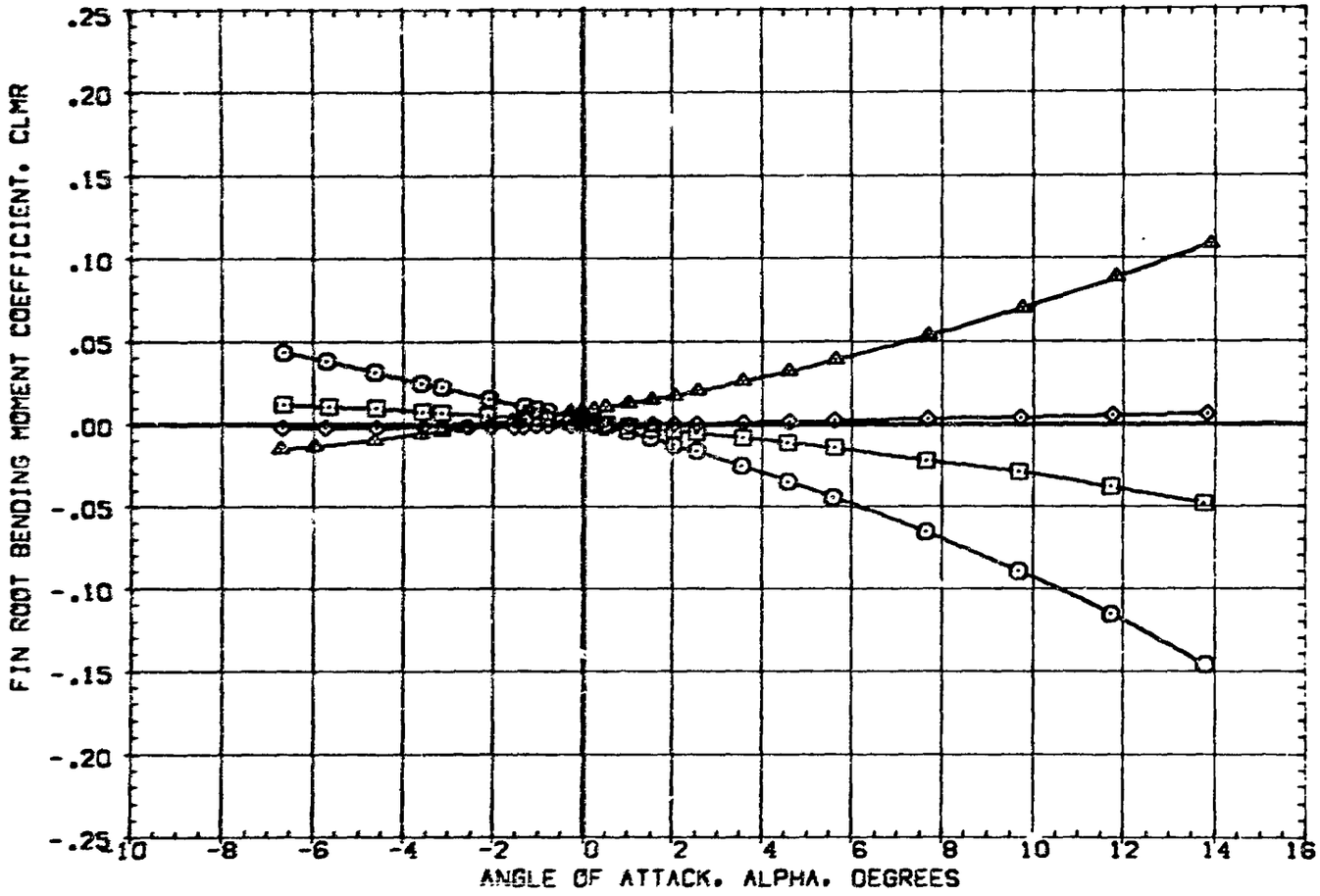


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/B	FIN NO
(CX3R04)	○	AEDC TC 273 VRIAPARGUND FIN, BIF1	67.500	-10.000	1.750	2.000
(CX3R17)	△	AEDC TC 273 VRIAPARGUND FIN, BIF1	67.500	22.500	1.750	2.000
(CX3R21)	□	AEDC TC 273 VRIAPARGUND FIN, BIF1	67.500	45.000	1.750	2.000
(CX3R25)	◇	AEDC TC 273 VRIAPARGUND FIN, BIF1	67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



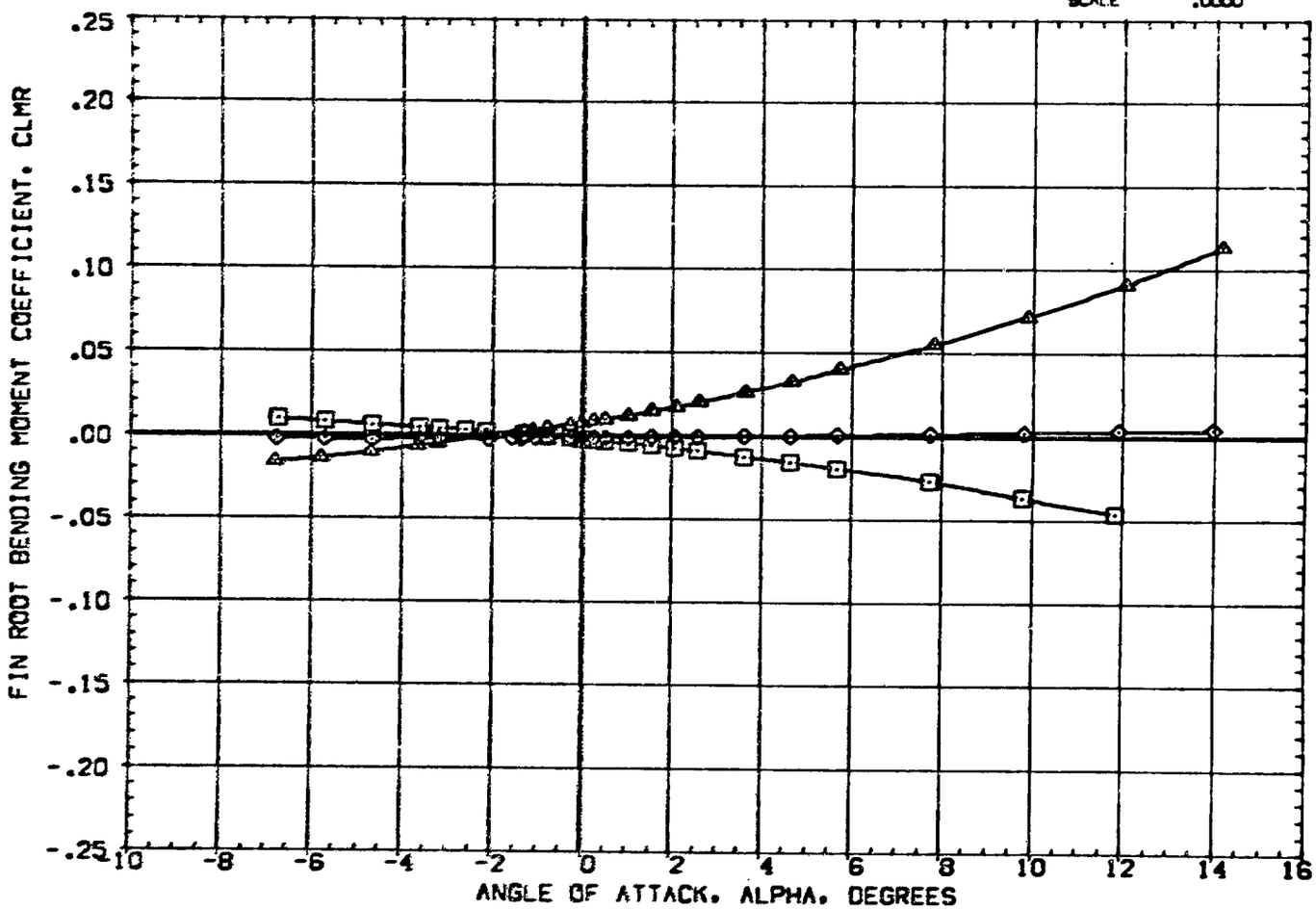
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(Cx3924)	○	DATA NOT AVAILABLE
(Cx3917)	▽	AEDC TC 273 VRAPAROUND FIN, B1F1
(Cx3921)	⋈	AEDC TC 273 VRAPAROUND FIN, B1F1
(Cx3925)	△	AEDC TC 273 VRAPAROUND FIN, B1F1

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	2.000
67.500	22.500	1.750	2.000
67.500	45.000	1.750	2.000
67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

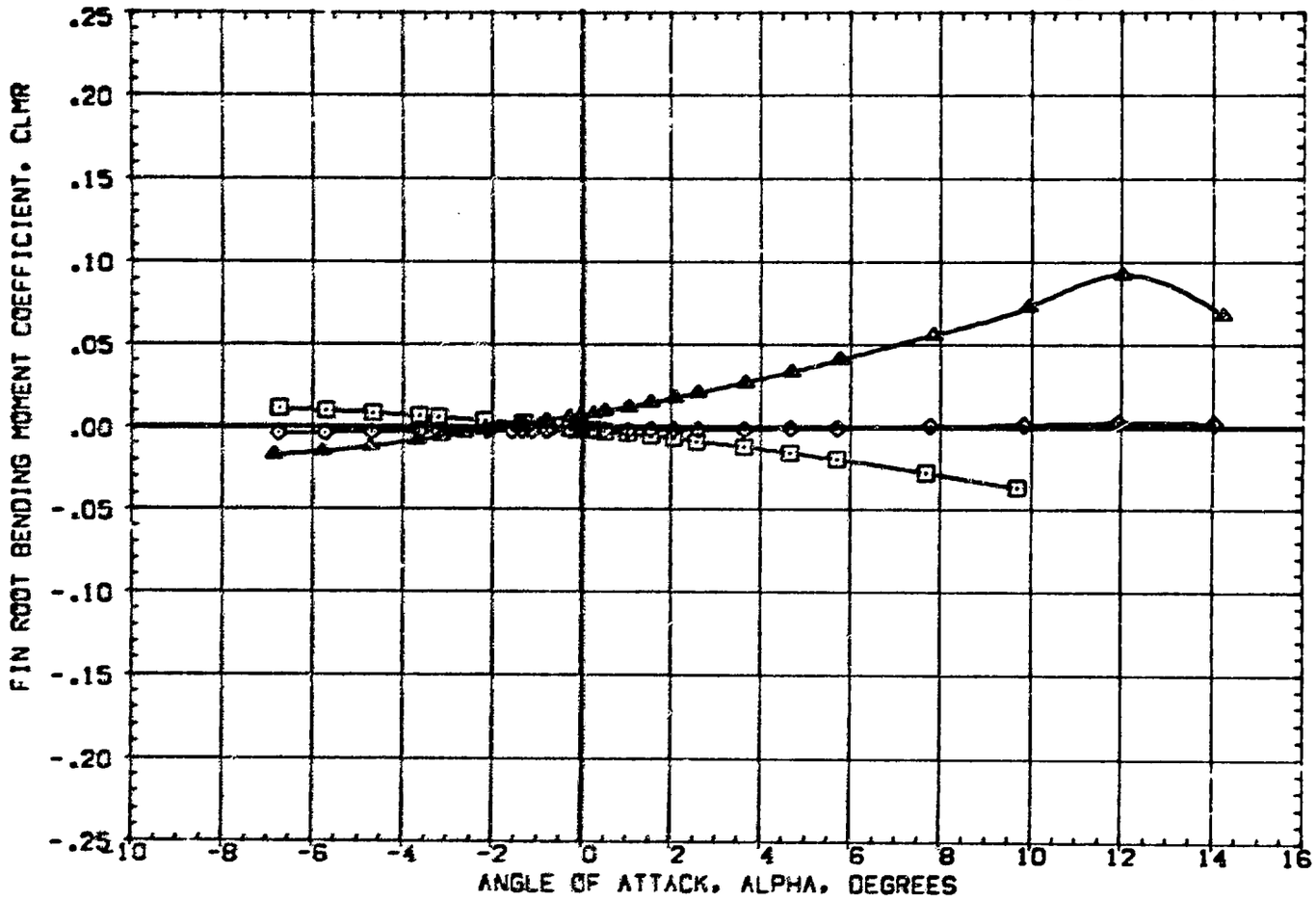


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION:	PHI	THETA	CR/D	FIN NO
(D3R04)	□	DATA NOT AVAILABLE	67.500	-10.000	1.750	2.000
(D3R17)	○	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	2.000
(D3R21)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	2.000
(D3R25)	△	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

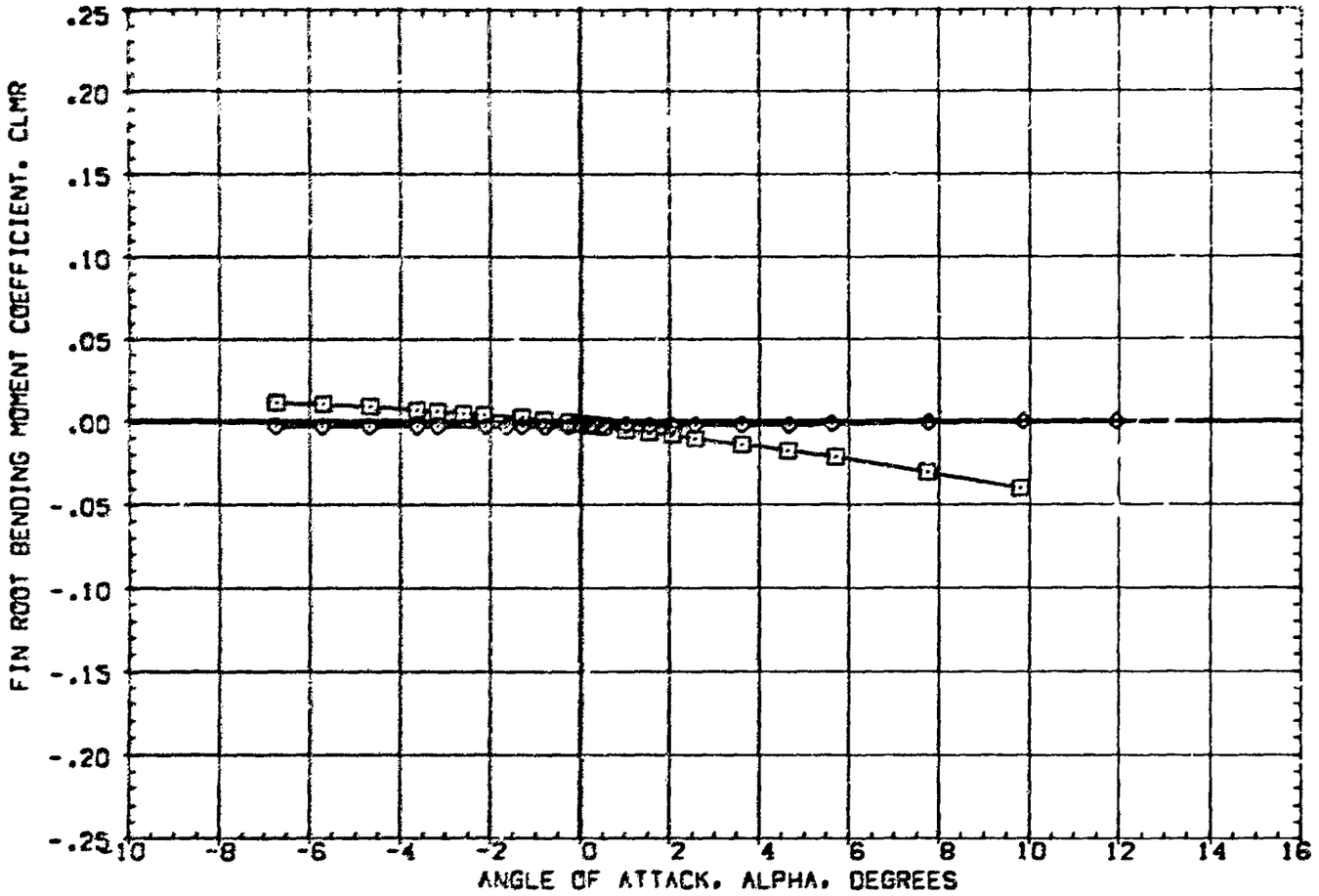


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3R04	O	DATA NOT AVAILABLE	67.500	-10.000	1.750	2.000
(C)3R17		AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	2.000
(C)3R21		AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	2.000
(C)3R25	X	DATA NOT AVAILABLE	67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



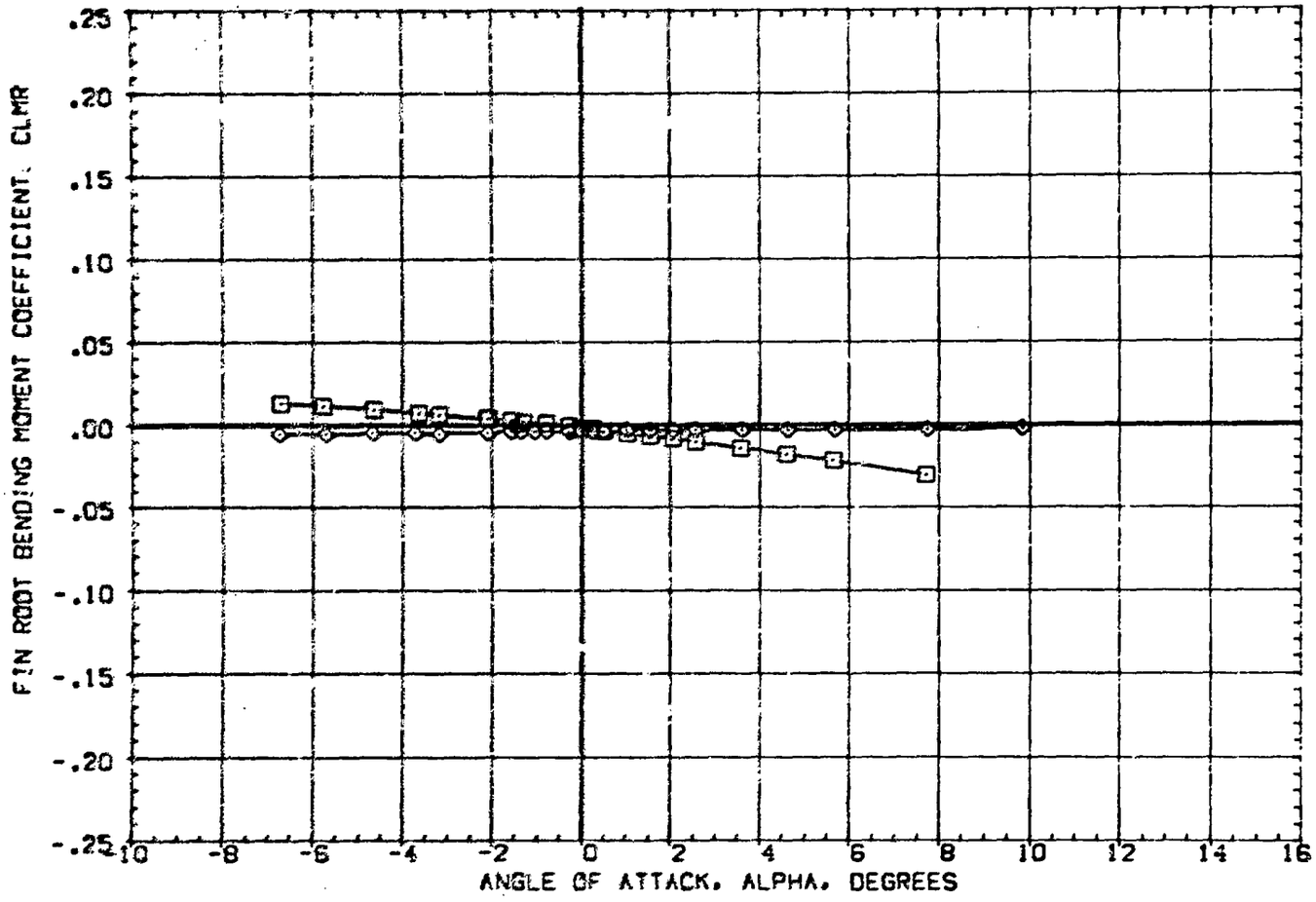
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	□	DATA NOT AVAILABLE
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
[illegible]	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1
[illegible]	✕	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	2.000
67.500	22.500	1.750	2.000
67.500	45.000	1.750	2.000
67.500	80.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

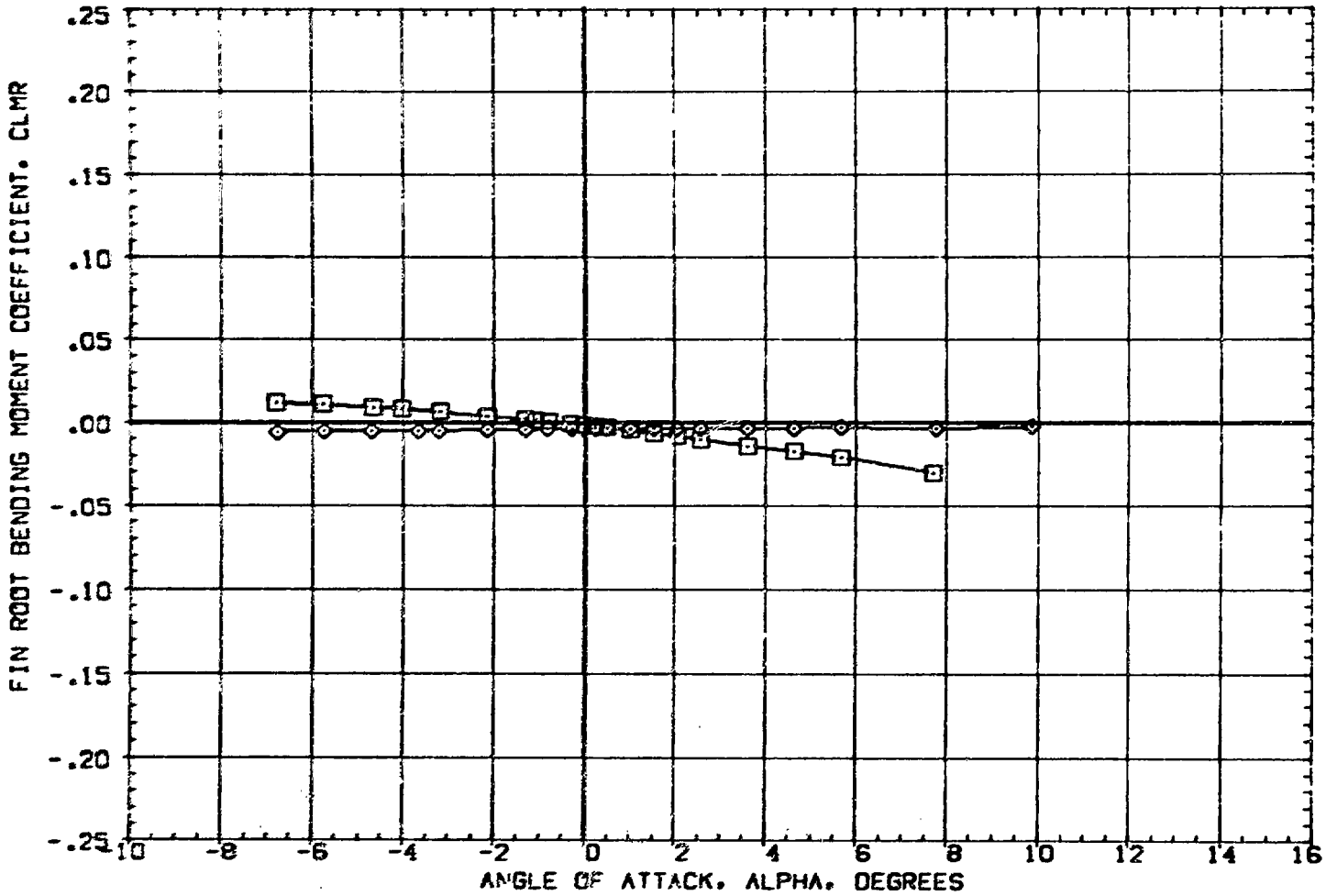


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3R04	○	DATA NOT AVAILABLE	67.500	-10.000	1.750	2.000
(C)3R17	□	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	2.000
(C)3R21	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	2.000
(C)3R25	✕	DATA NOT AVAILABLE	67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



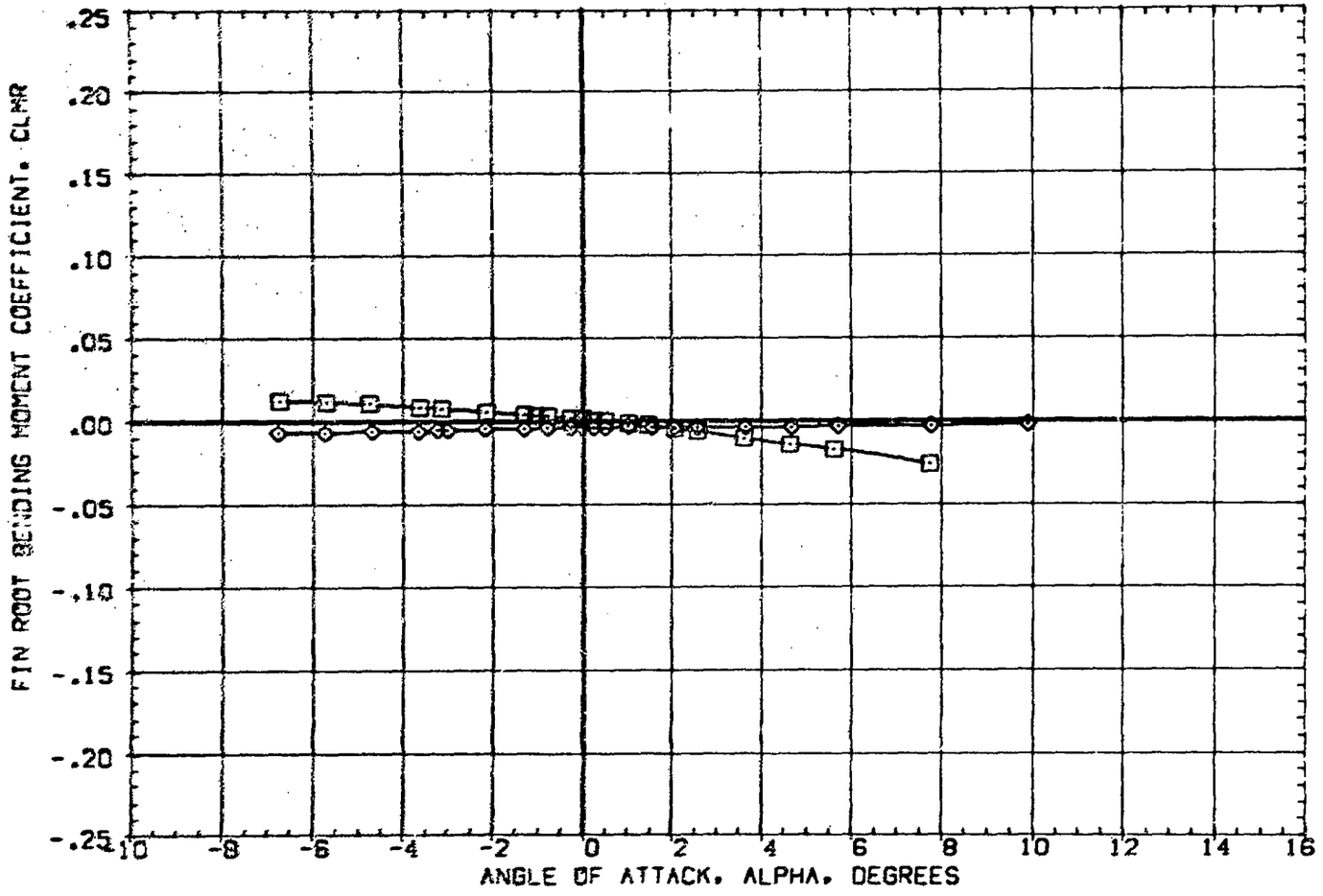
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C)3R6A	○	DATA NOT AVAILABLE
(C)3R17	◇	AEDC TC 273 W/RAPAROUND FIN, BIF1
(C)3R21	⋈	AEDC TC 273 W/RAPAROUND FIN, BIF1
(C)3R25	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	2.000
67.500	22.500	1.750	2.000
67.500	45.000	1.750	2.000
67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

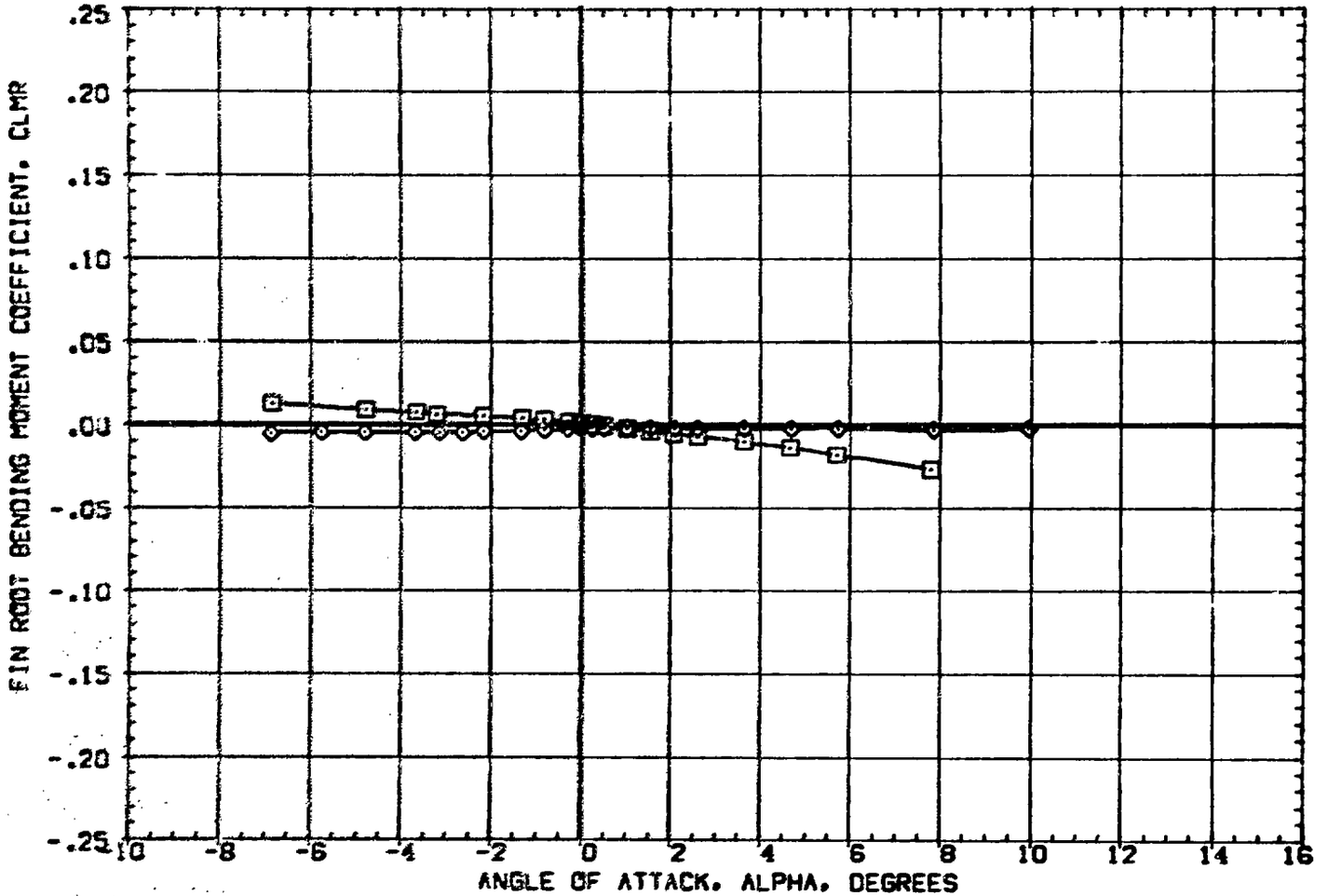


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = 1.09

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[illegible]	○	DATA NOT AVAILABLE	67.500	-10.000	1.750	2.000
[illegible]	▽	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	2.000
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	2.000
[illegible]	△	DATA NOT AVAILABLE	67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	10.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



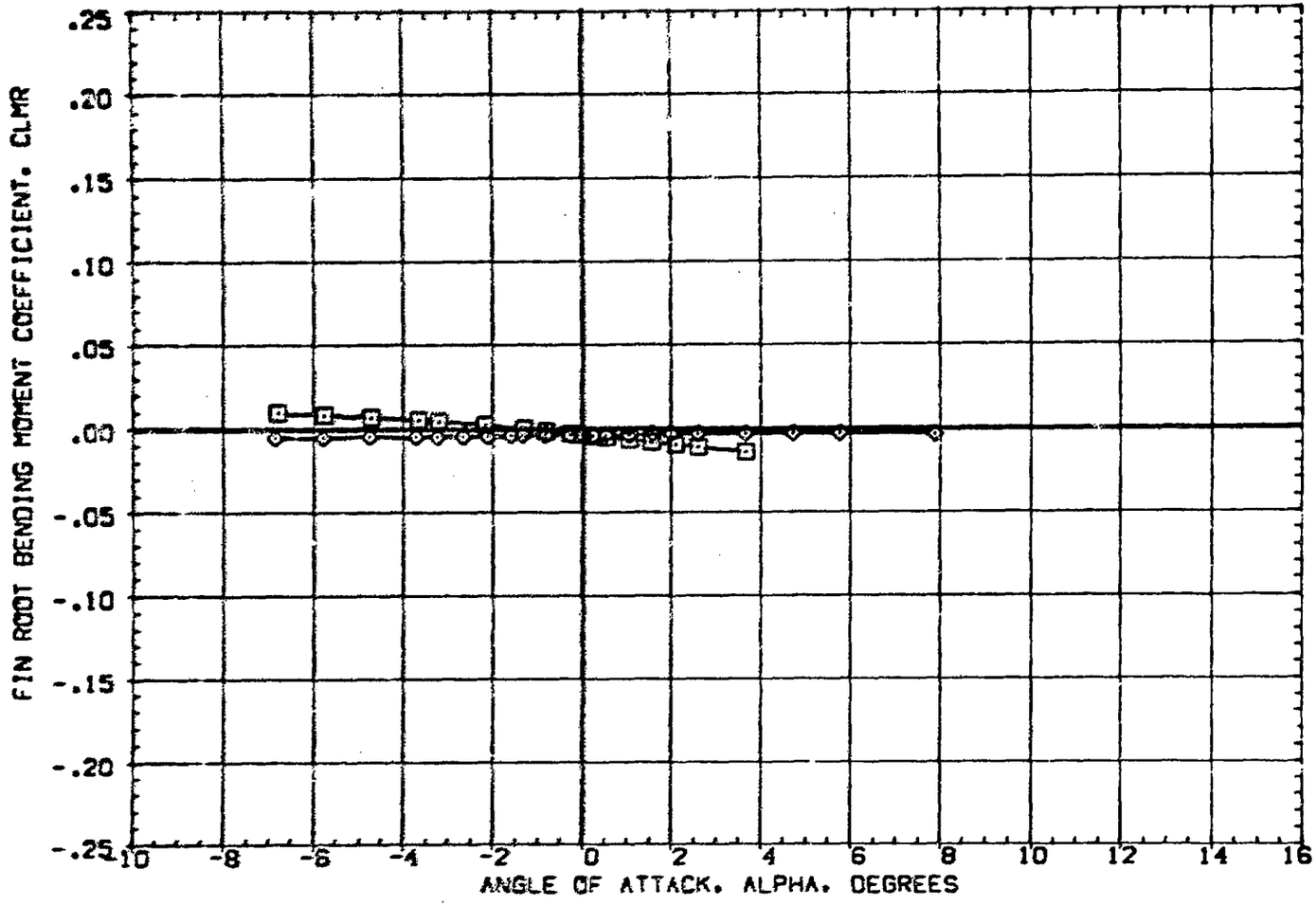
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(1)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3R14)		DATA NOT AVAILABLE
(CX3R17)	○	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3R21)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3R25)		DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	2.000
67.500	22.500	1.750	2.000
67.500	45.000	1.750	2.000
67.500	90.000	1.750	2.000

REFERENCE INFORMATION		
SREF	10.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

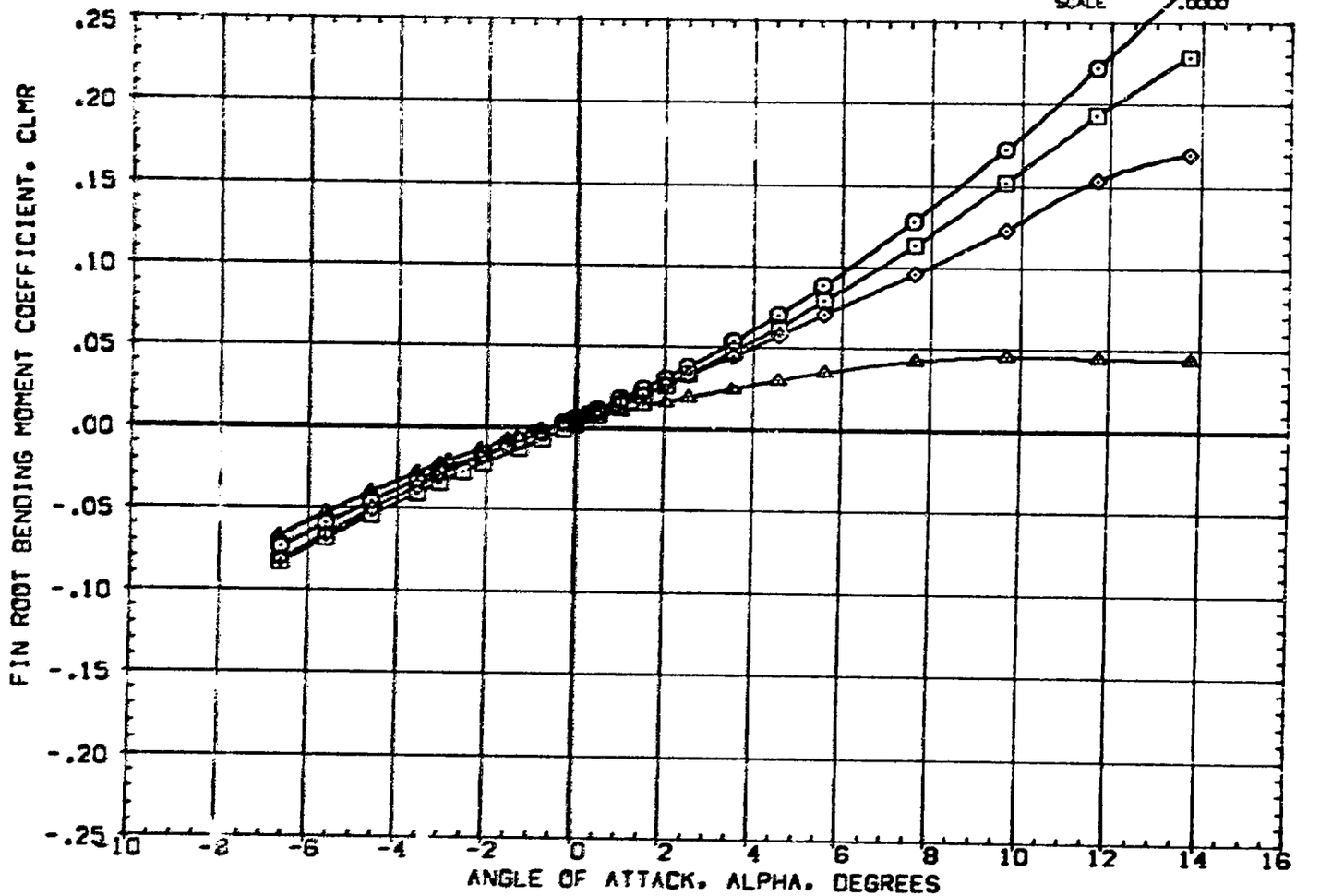


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION:	PHI	T/ETA	CR/D	FIN NO
(DX3,04)	□	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	-10.000	1.750	3.000
(DX3,17)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	3.000
(DX3,21)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	3.000
(DX3,25)	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4300	SQ.IN.
LREF	7.0000	INCHES
BREF	2.5400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

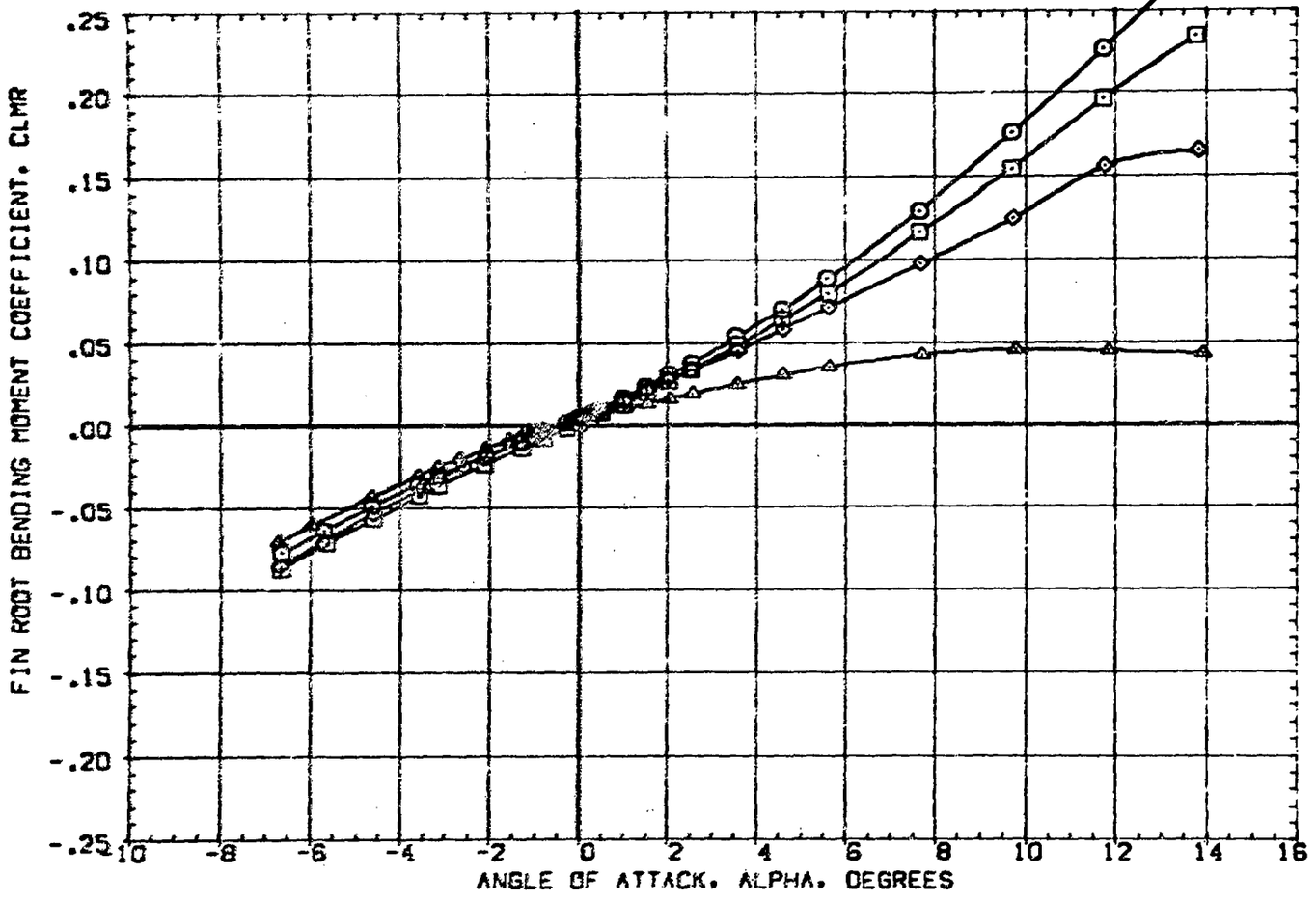


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[C]3,04]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	-10.000	1.750	3.000
[C]3,17]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	3.000
[C]3,21]	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	3.000
[C]3,25]	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4600	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



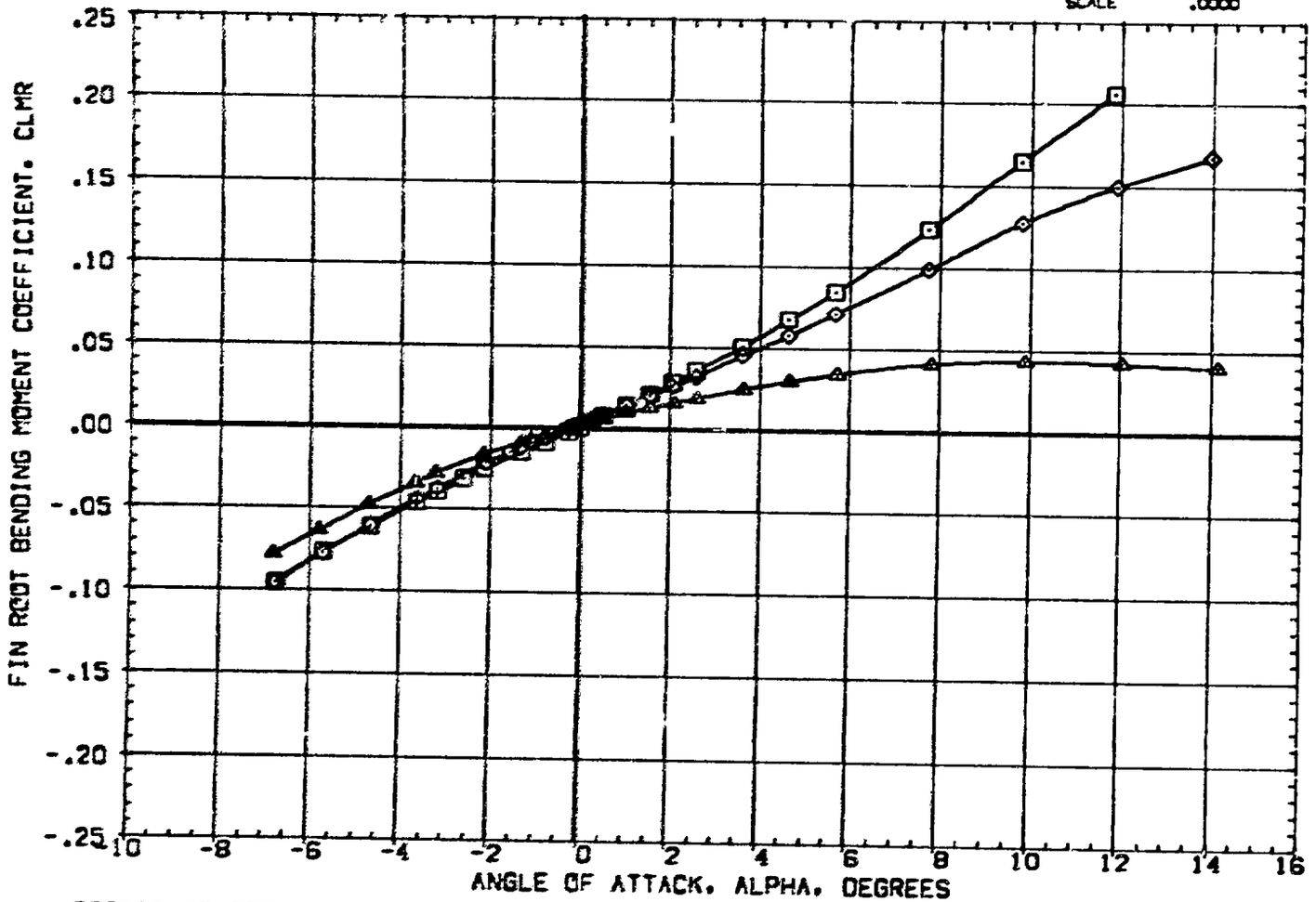
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C)LG(4)	○	DATA NOT AVAILABLE
(C)3L(7)	□	AEDC TC 273 WRAPAROUND FIN, BIF1
(C)3L(2)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1
(C)3L(5)	⊠	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	3.000
67.500	22.500	1.750	3.000
67.500	45.000	1.750	3.000
67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

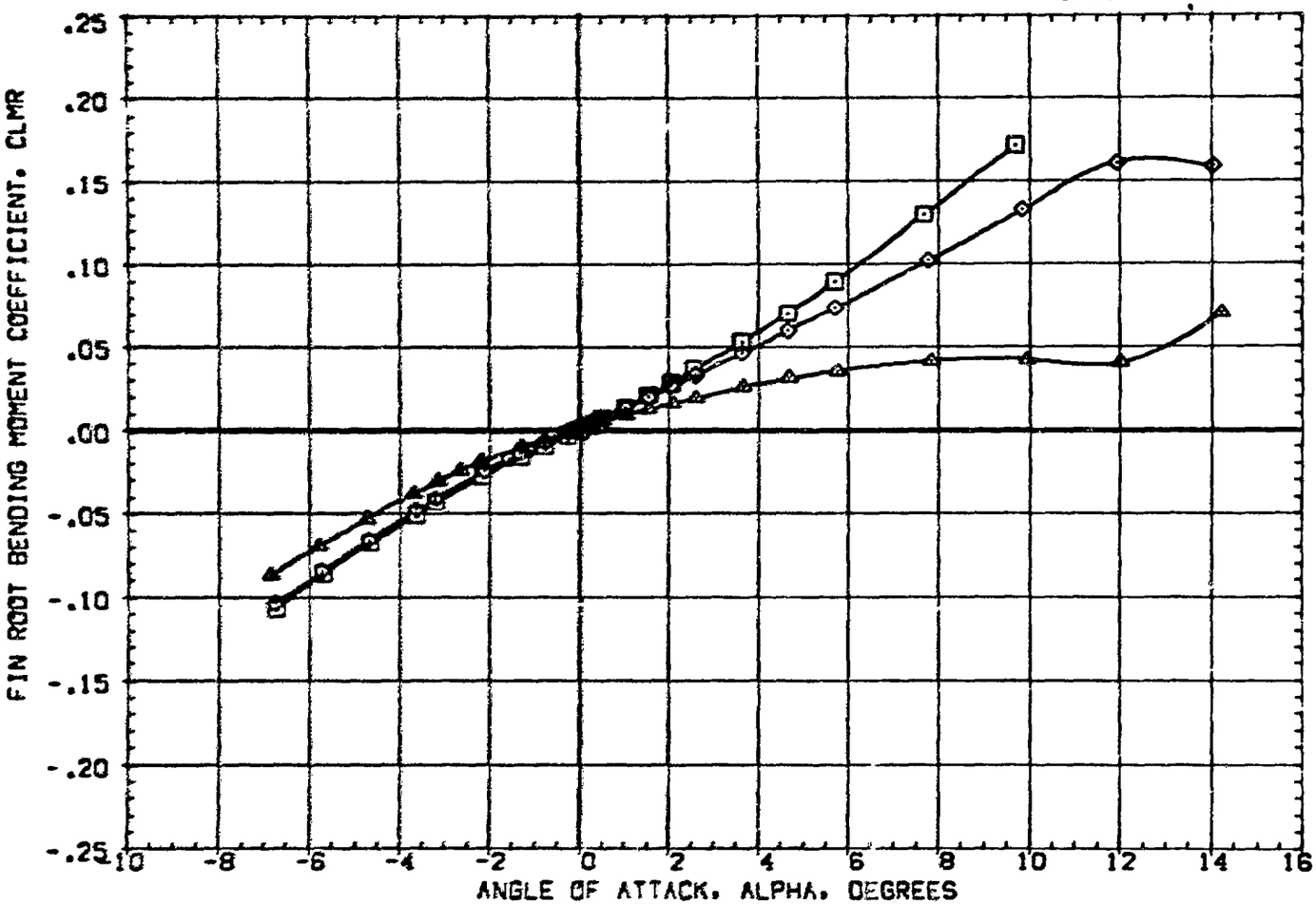


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3L04]	□	DATA NOT AVAILABLE	67.500	-10.000	1.750	3.000
[CX3L17]	◇	AEDC TC 273 WRAPAROUND FIN, BIFI	67.500	22.500	1.750	3.000
[CX3L21]	△	AEDC TC 273 WRAPAROUND FIN, BIFI	67.500	45.000	1.750	3.000
[CX3L25]	⋈	AEDC TC 273 WRAPAROUND FIN, BIFI	67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



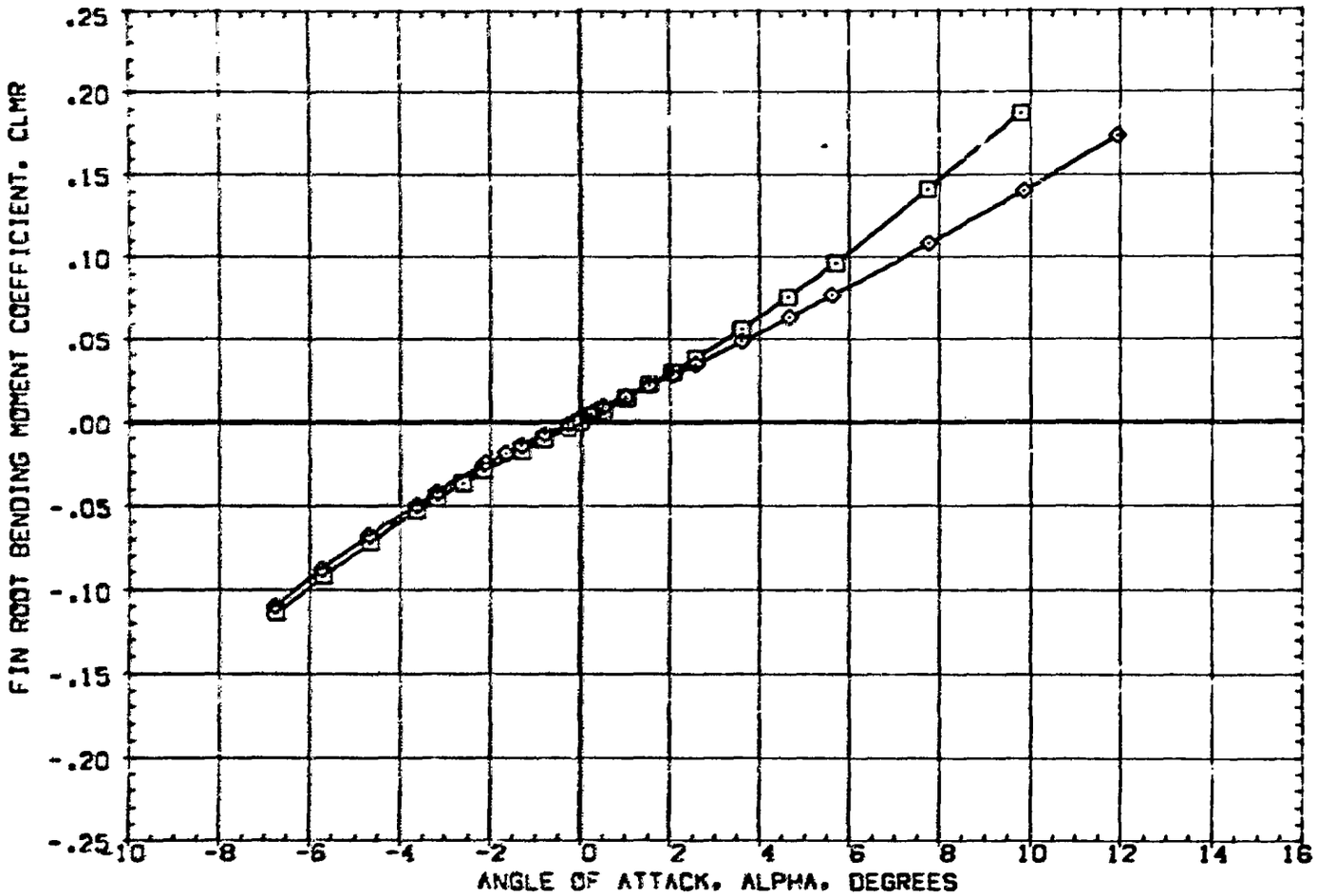
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C=3,04)	○	DATA NOT AVAILABLE
(C=3,17)	⊗	AEDC TC 273 WRAPAROUND FIN, BIF)
(C=3,21)	⊗	AEDC TC 273 WRAPAROUND FIN, BIF)
(C=3,25)	⊗	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	3.000
67.500	22.500	1.750	3.000
67.500	45.000	1.750	3.000
67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

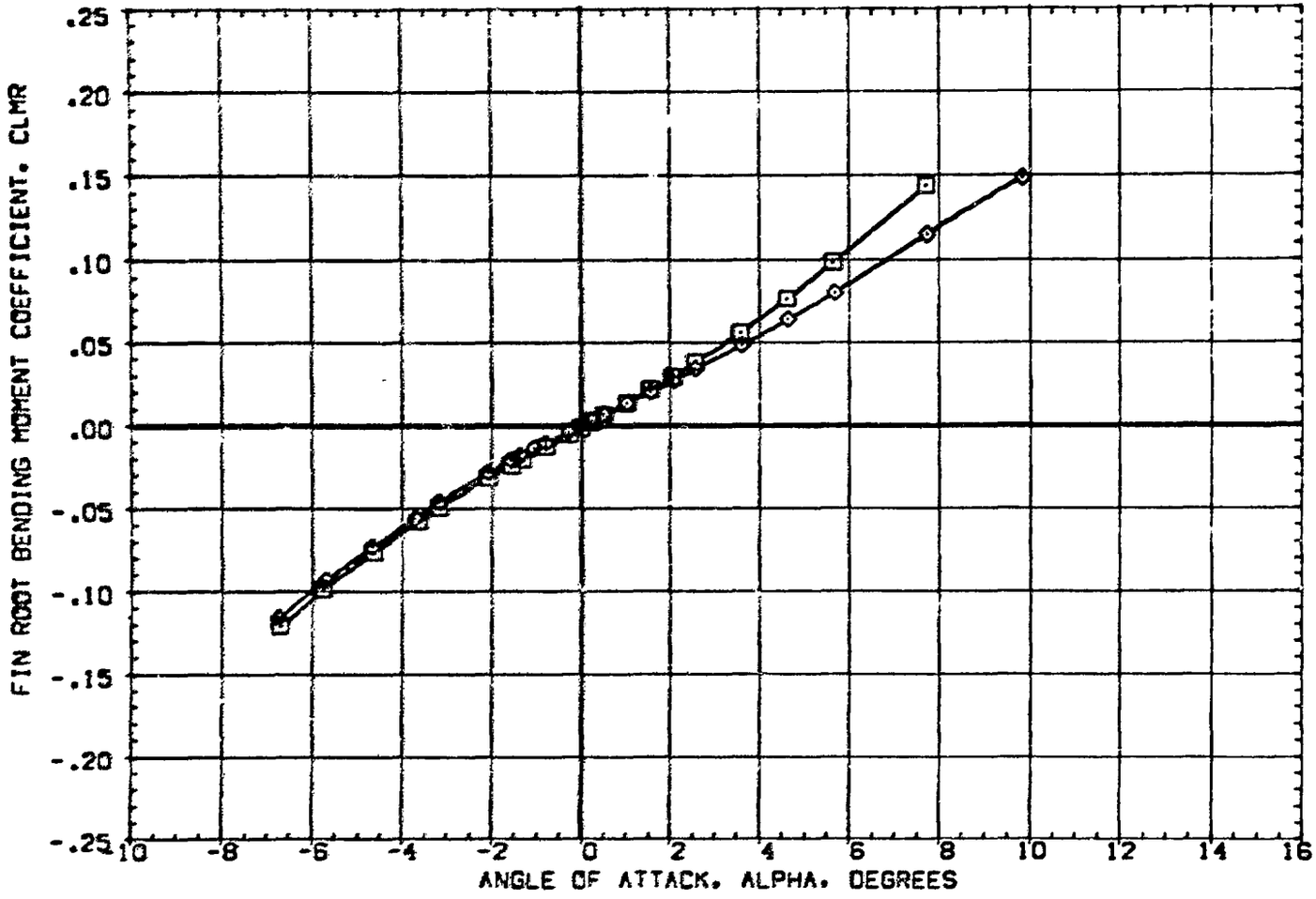


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3,04)	○	DATA NOT AVAILABLE	67.500	-10.000	1.750	3.000
(CX3,17)	□	AEDC TF 273 WRAPAROUND FINS BIF1	67.500	22.500	1.750	3.000
(CX3,21)	⊗	AEDC TF 273 WRAPAROUND FINS BIF1	67.500	45.000	1.750	3.000
(CX3,25)	⊠	DATA NOT AVAILABLE	67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

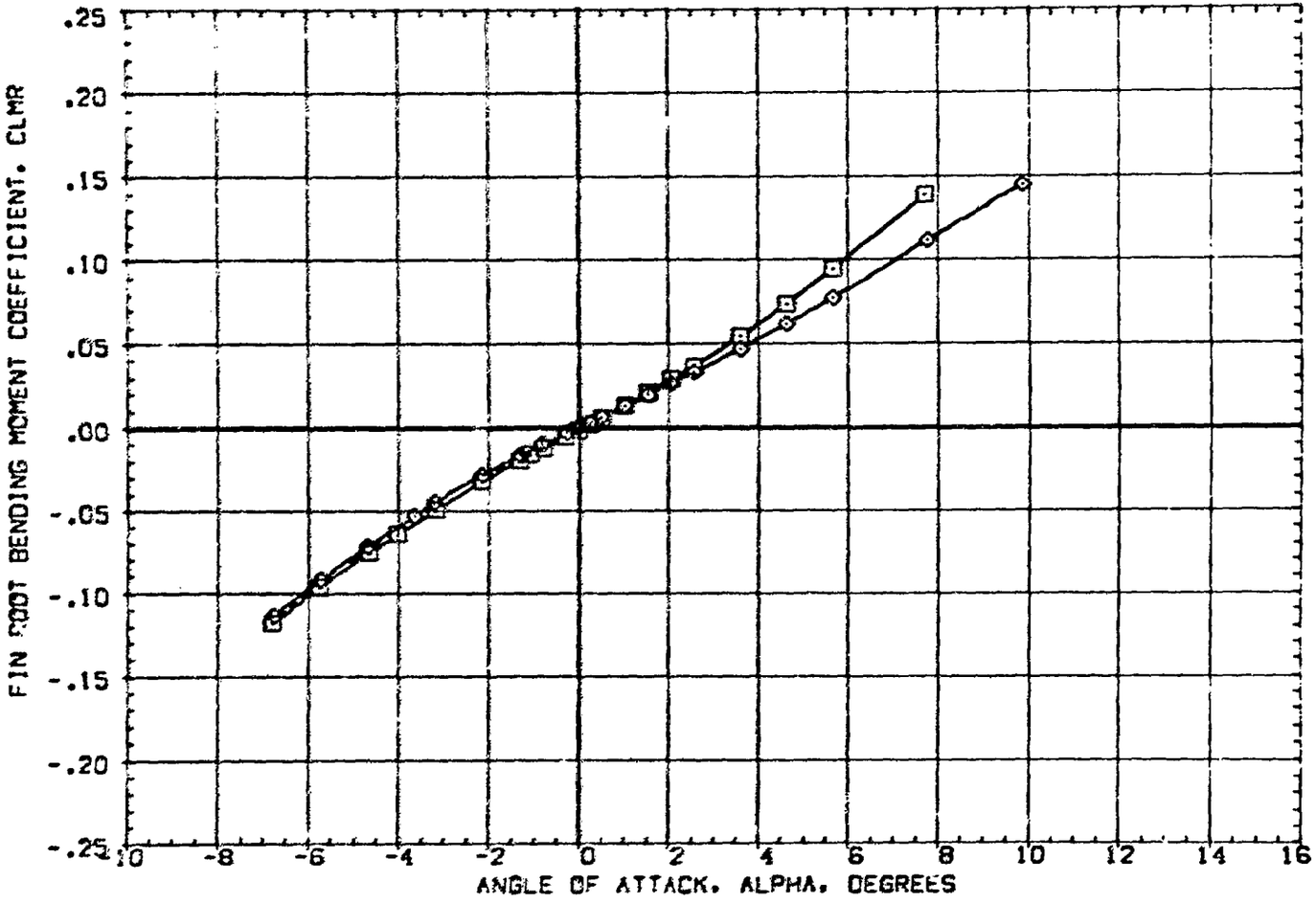


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/B	FIN NO
(C=2LC4)	○	DATA NOT AVAILABLE	67.500	-10.000	1.750	3.000
(C=2L12)	□	AEDC TC 273 WRAPAROUND FIN, BIFI	67.500	22.500	1.750	3.000
(C=2L29)	◇	AEDC TC 273 WRAPAROUND FIN, BIFI	67.500	45.000	1.750	3.000
(C=2L75)	△	DATA NOT AVAILABLE	67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

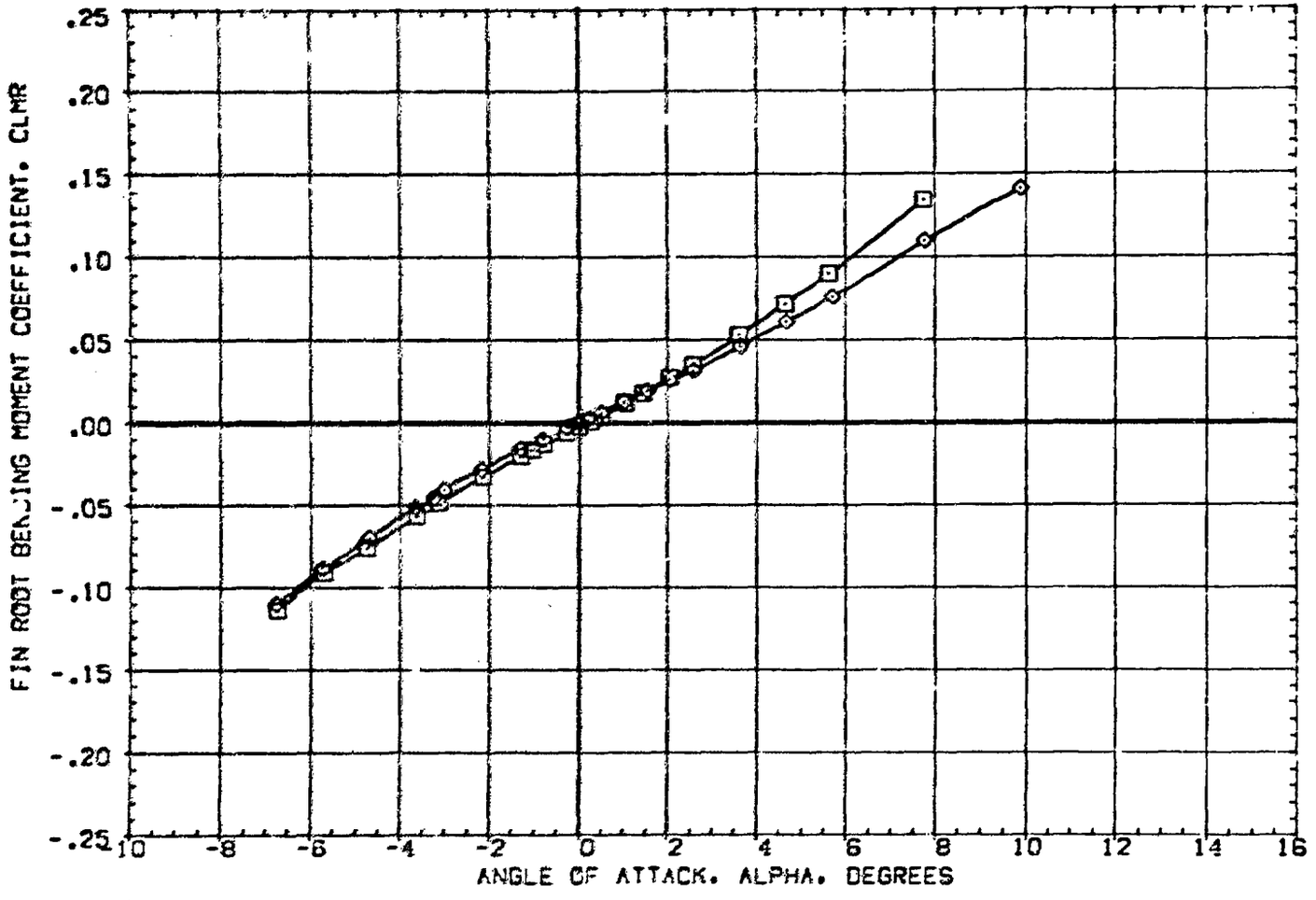


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C3L04)	O	DATA NOT AVAILABLE	67.500	-10.000	1.750	3.000
(C3L17)		AEDC TC 273 WRAPAROUND FINS BIF	67.500	22.500	1.750	3.000
(C3L21)		AEDC TC 273 WRAPAROUND FINS BIF	67.500	45.000	1.750	3.000
(C3L25)	X	DATA NOT AVAILABLE	67.500	80.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.1800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

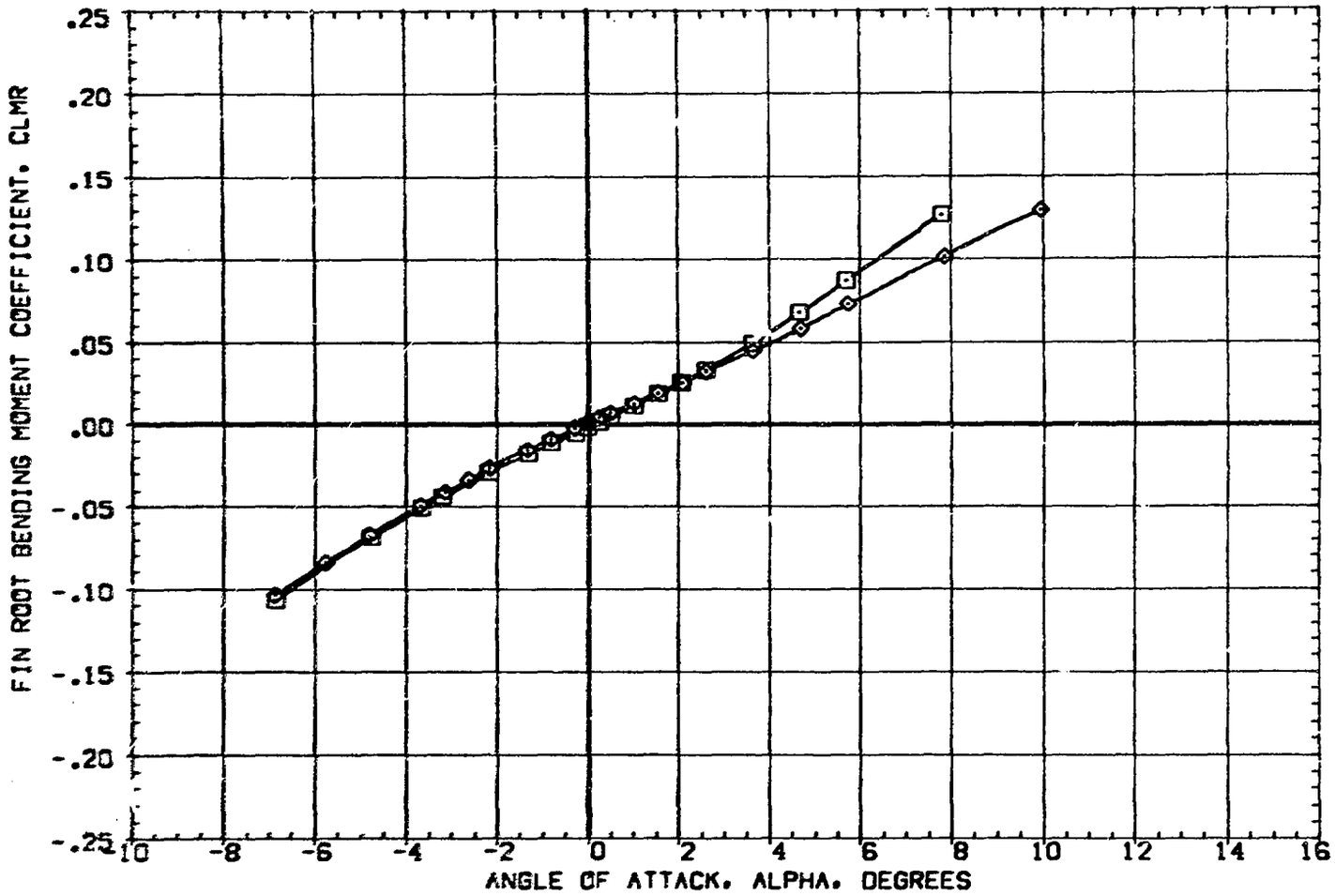


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.09

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX3,04]	○	DATA NOT AVAILABLE	67.500	-10.000	1.750	3.000
[CX3,17]	□	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	3.000
[CX3,21]	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	3.000
[CX3,25]	△	DATA NOT AVAILABLE	67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

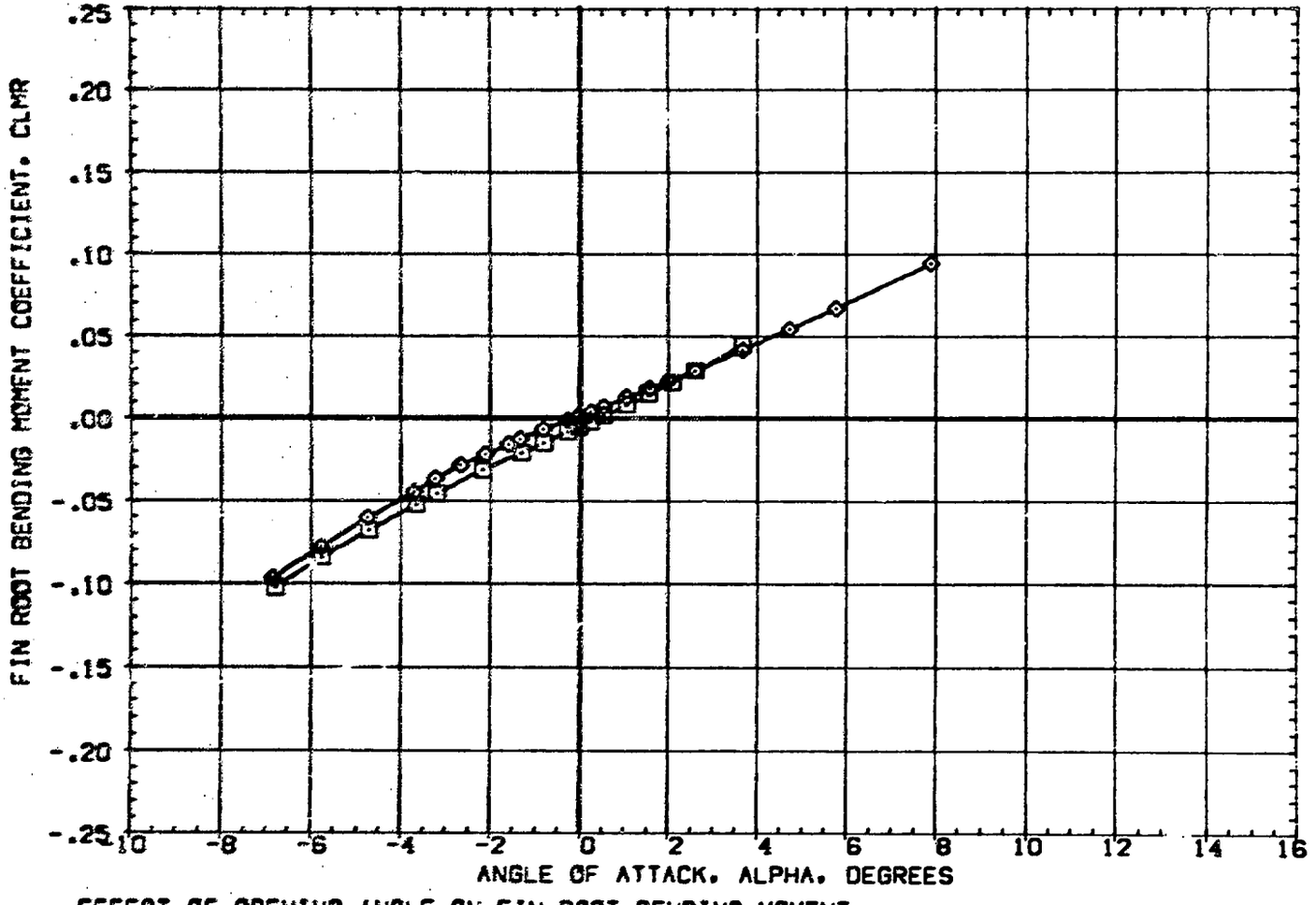


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

[1]MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[CX2,04]	□	DATA NOT AVAILABLE	67.500	-10.000	1.750	3.000
[CX2,17]	◇	AEDC TE 273 WRAPAROUND FIN, BIF	67.500	22.500	1.750	3.000
[CX2,21]	⊠	AEDC TC 273 WRAPAROUND FIN, BIF	67.500	45.000	1.750	3.000
[CX2,25]	△	DATA NOT AVAILABLE	67.500	90.000	1.750	3.000

REFERENCE INFORMATION		
SREF	10.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

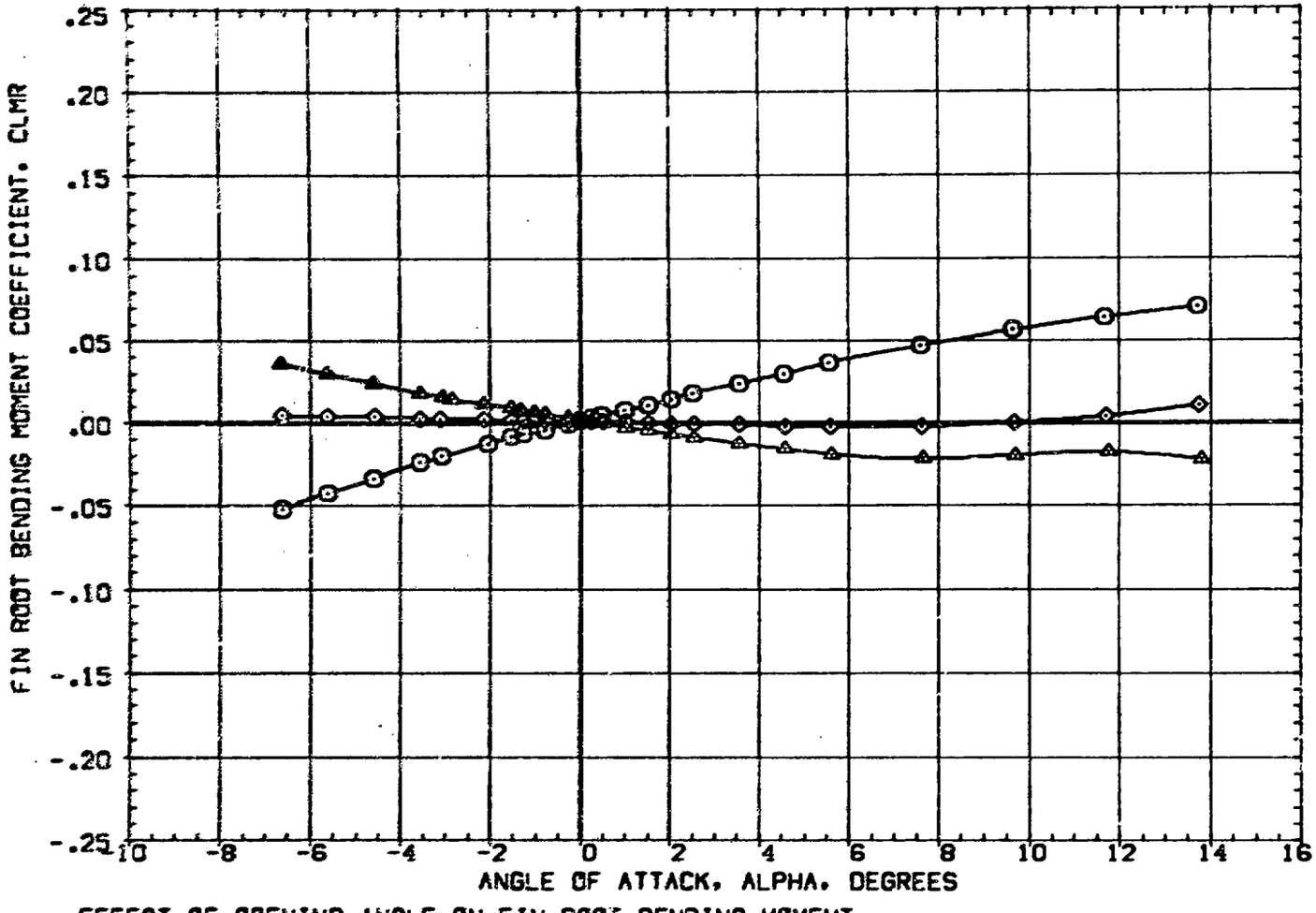


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(J)MACH = 1.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(CX3,04)	○	AEDC TC 273 VRAPAROUND FIN. BIF1	67.500	-10.000	1.750	4.000
(CX3,17)		DATA NOT AVAILABLE	67.500	22.500	1.750	4.000
(CX3,21)	◇	AEDC TC 273 VRAPAROUND FIN. BIF1	67.500	45.000	1.750	4.000
(CX3,25)	△	AEDC TC 273 VRAPAROUND FIN. BIF1	67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

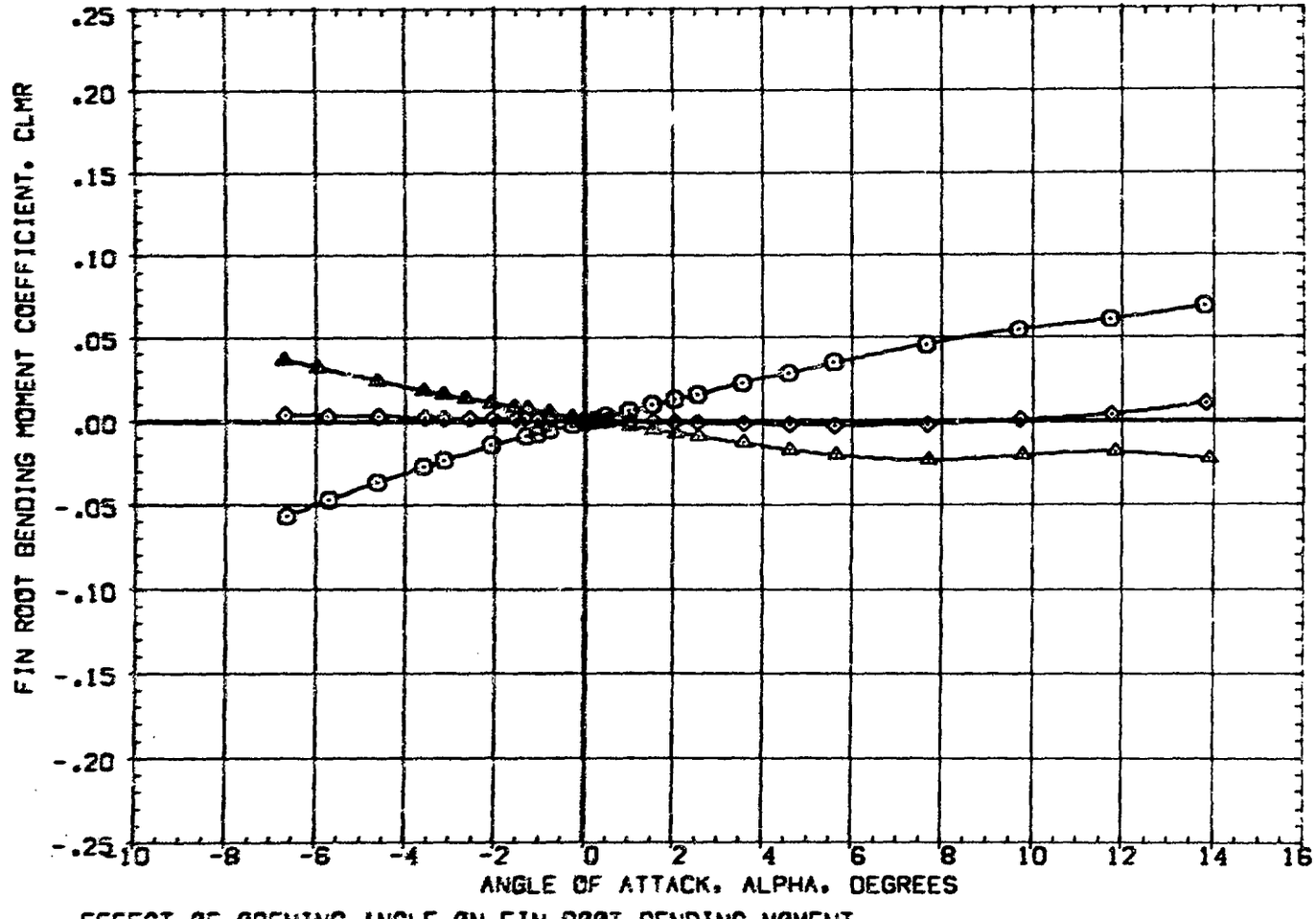


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(A)MACH = .50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[Cx2.04]	□	AEDC TC 273 vRAPAROUND FIN, 81F1	67.500	-10.000	1.750	4.000
[Vx3.17]	◇	DATA NOT AVAILABLE	67.500	22.500	1.750	4.000
[Cx3.21]	⊠	AEDC TC 273 vRAPAROUND FIN, 91F1	67.500	45.000	1.750	4.000
[Cx3.25]	△	AEDC TC 273 vRAPAROUND FIN, 81F1	67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

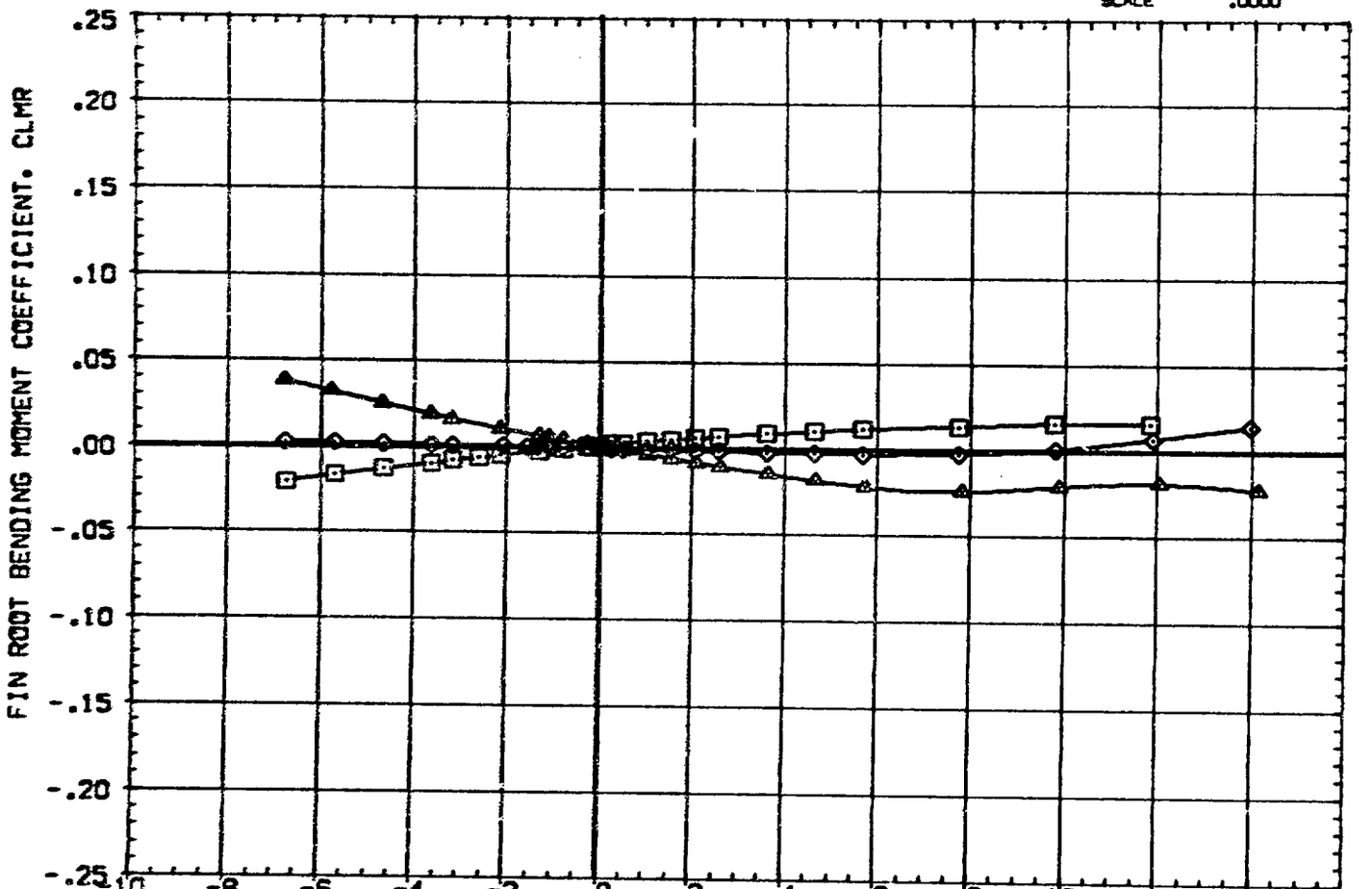


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(8)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C)3.06	○	DATA NOT AVAILABLE				
(C)3.17	◇	AEDC TC 273 YRAPAROUND FIN, BIF1	67.500	-10.000	1.750	4.000
(C)3.21	□	AEDC TC 273 YRAPAROUND FIN, BIF1	67.500	22.500	1.750	4.000
(C)3.25	△	AEDC TC 273 YRAPAROUND FIN, BIF1	67.500	45.000	1.750	4.000
			67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	10.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



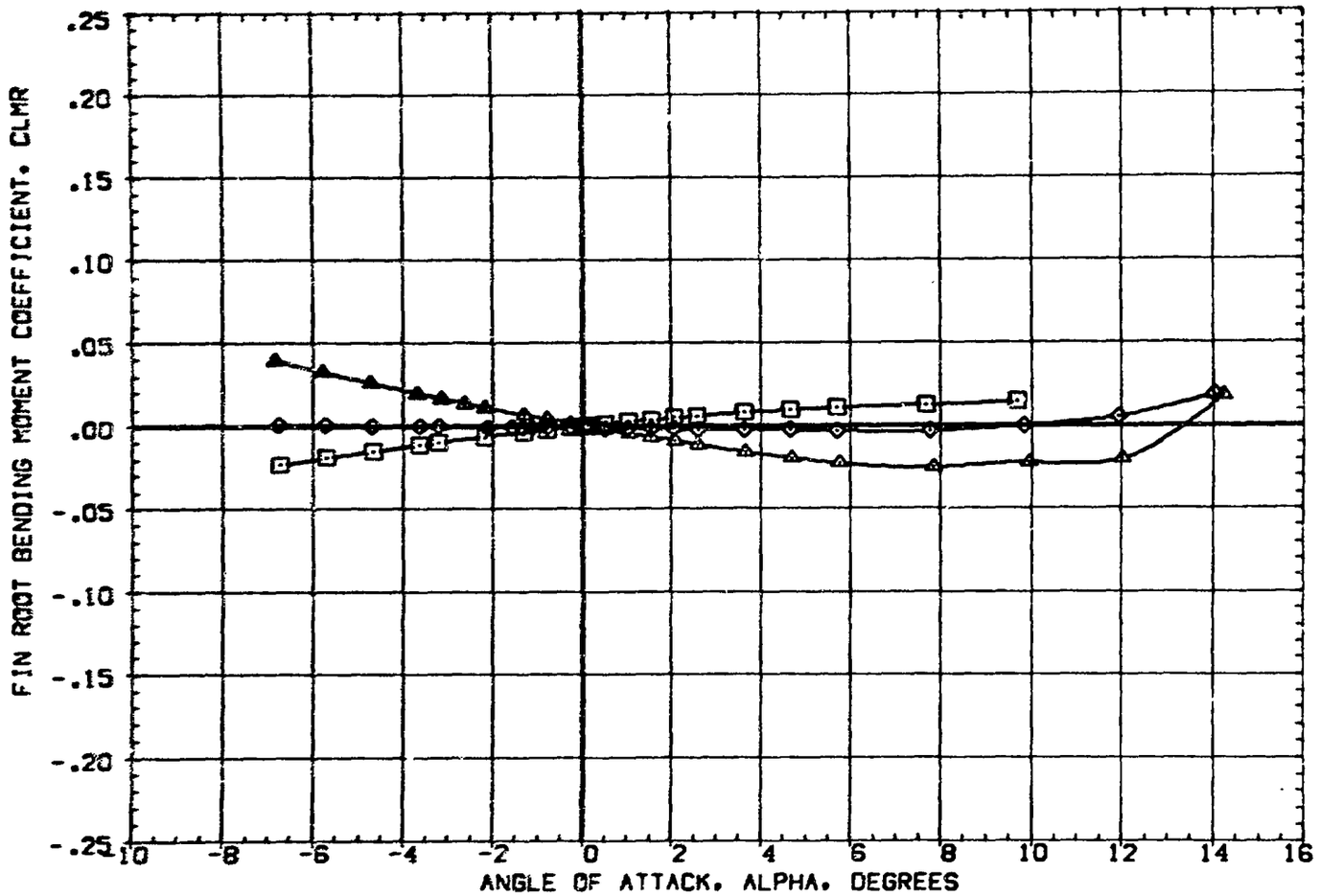
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3,04)		DATA NOT AVAILABLE
(CX3,17)	○	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3,21)	△	AEDC TC 273 WRAPAROUND FIN, BIF1
(CX3,25)	✕	AEDC TC 273 WRAPAROUND FIN, BIF1

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	4.000
67.500	22.500	1.750	4.000
67.500	45.000	1.750	4.000
67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

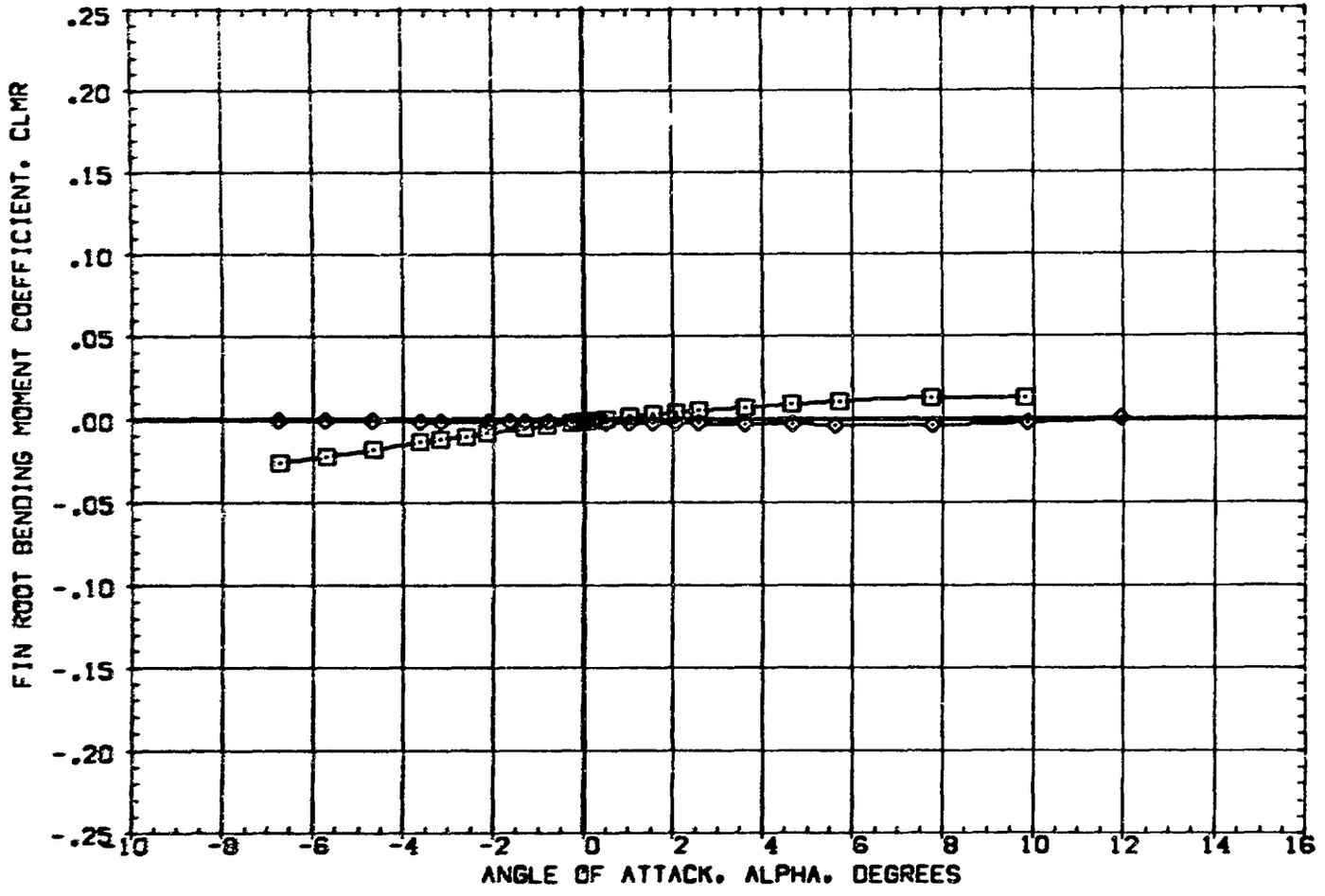


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(○)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(C=3.04)	□	DATA NOT AVAILABLE	67.500	-10.000	1.750	4.000
(V=3.17)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	22.500	1.750	4.000
(C=3.21)	◇	AEDC TC 273 WRAPAROUND FIN, BIF1	67.500	45.000	1.750	4.000
(C=3.25)	△	DATA NOT AVAILABLE	67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



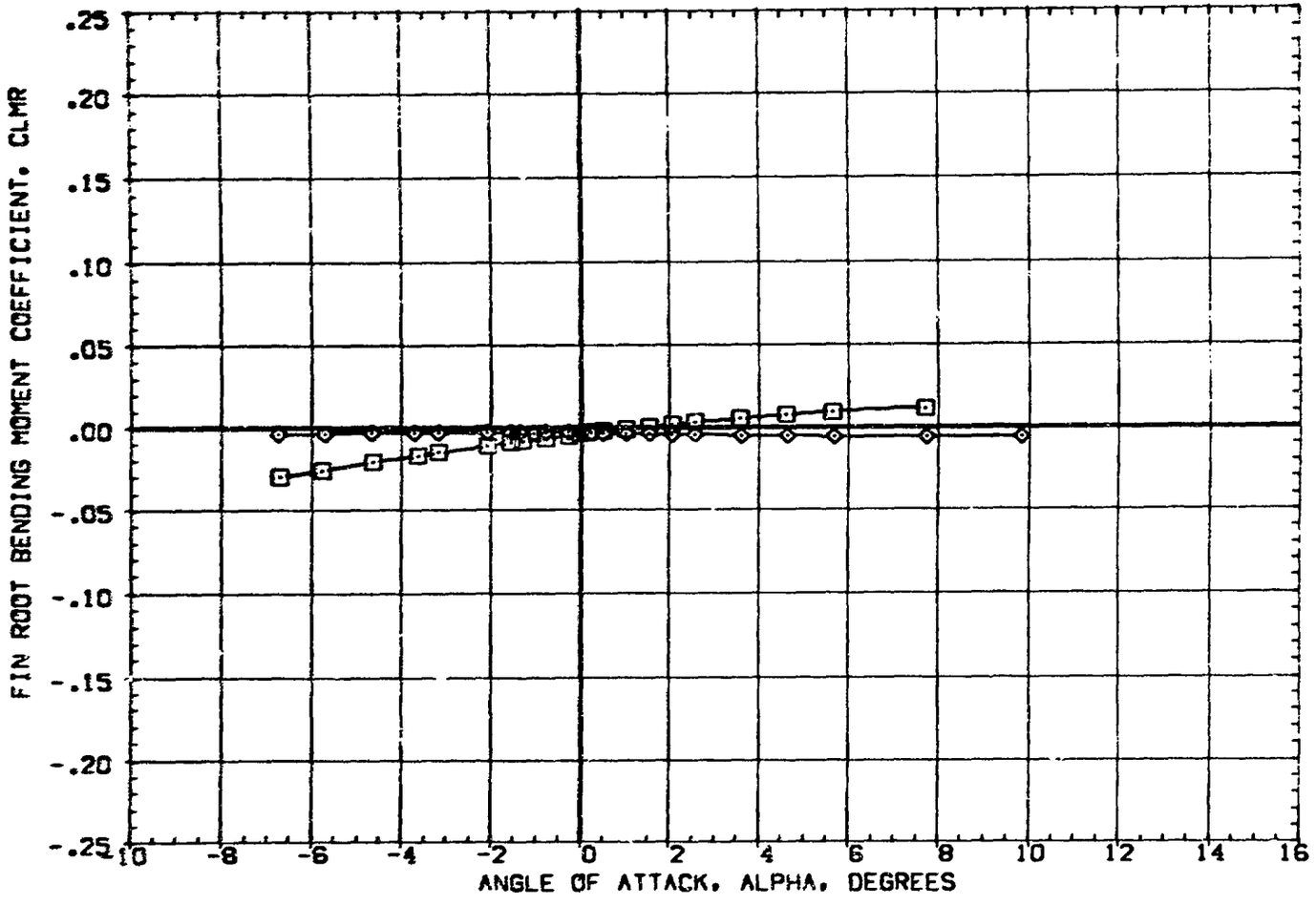
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CX3.04)	○	DATA NOT AVAILABLE
(CX3.17)	△	AEDC TC 273 YRAPAROUND FIN, BIF1
(CX3.21)	⊠	AEDC TC 273 YRAPAROUND FIN, BIF1
(CX3.25)	◇	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	4.000
67.500	22.500	1.750	4.000
67.500	45.000	1.750	4.000
67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

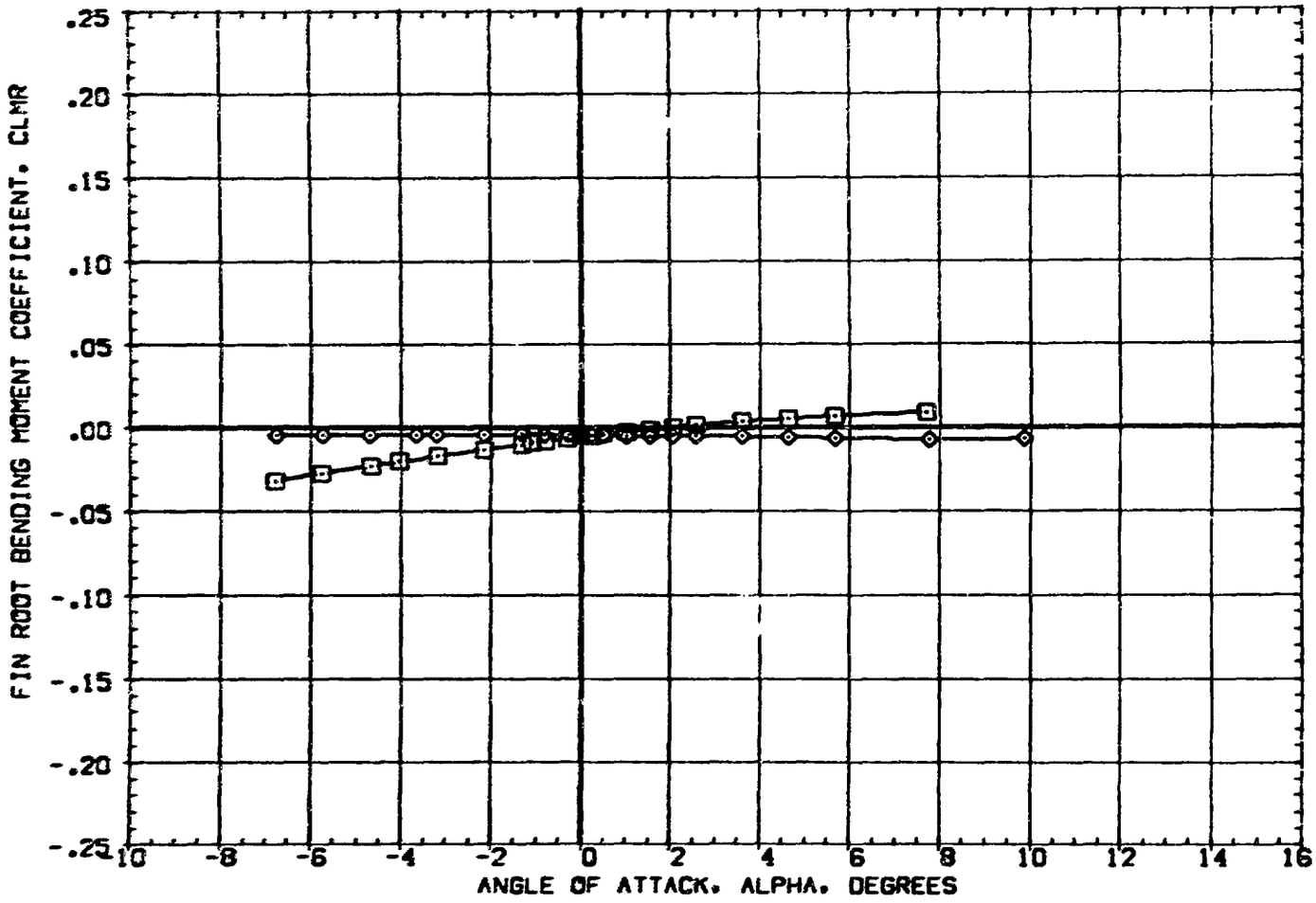


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(F)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
[D]3.04]	○	DATA NOT AVAILABLE	67.500	-10.000	1.750	4.000
[V]3.17]	⊗	AEDC TC 273 VRAPAROUND FIN, BIFI	67.500	22.500	1.750	4.000
[D]3.21]	⊠	AEDC TC 273 VRAPAROUND FIN, BIFI	67.500	45.000	1.750	4.000
[D]3.25]	△	DATA NOT AVAILABLE	67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



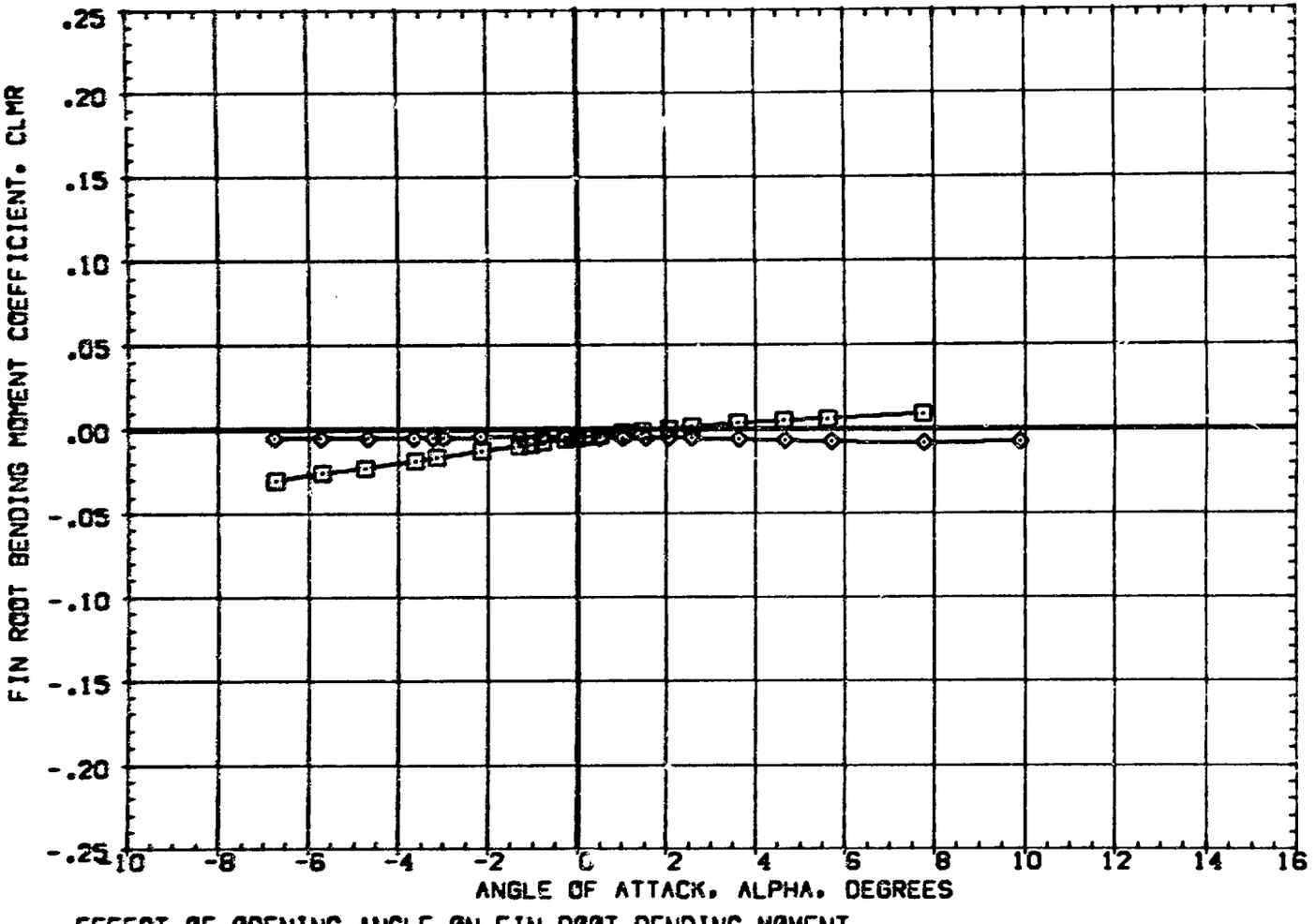
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(G)MACH = 1.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(X2.04)	□	DATA NOT AVAILABLE
(X2.17)	○	AEDC TC 273 WRAPAROUND FIN, BIF1
(X2.21)	⊗	AEDC TC 273 WRAPAROUND FIN, BIF1
(X2.25)	△	DATA NOT AVAILABLE

PHI	THETA	CR/D	FIN NO
67.500	-10.000	1.750	4.000
67.500	22.500	1.750	4.000
67.500	45.000	1.750	4.000
67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

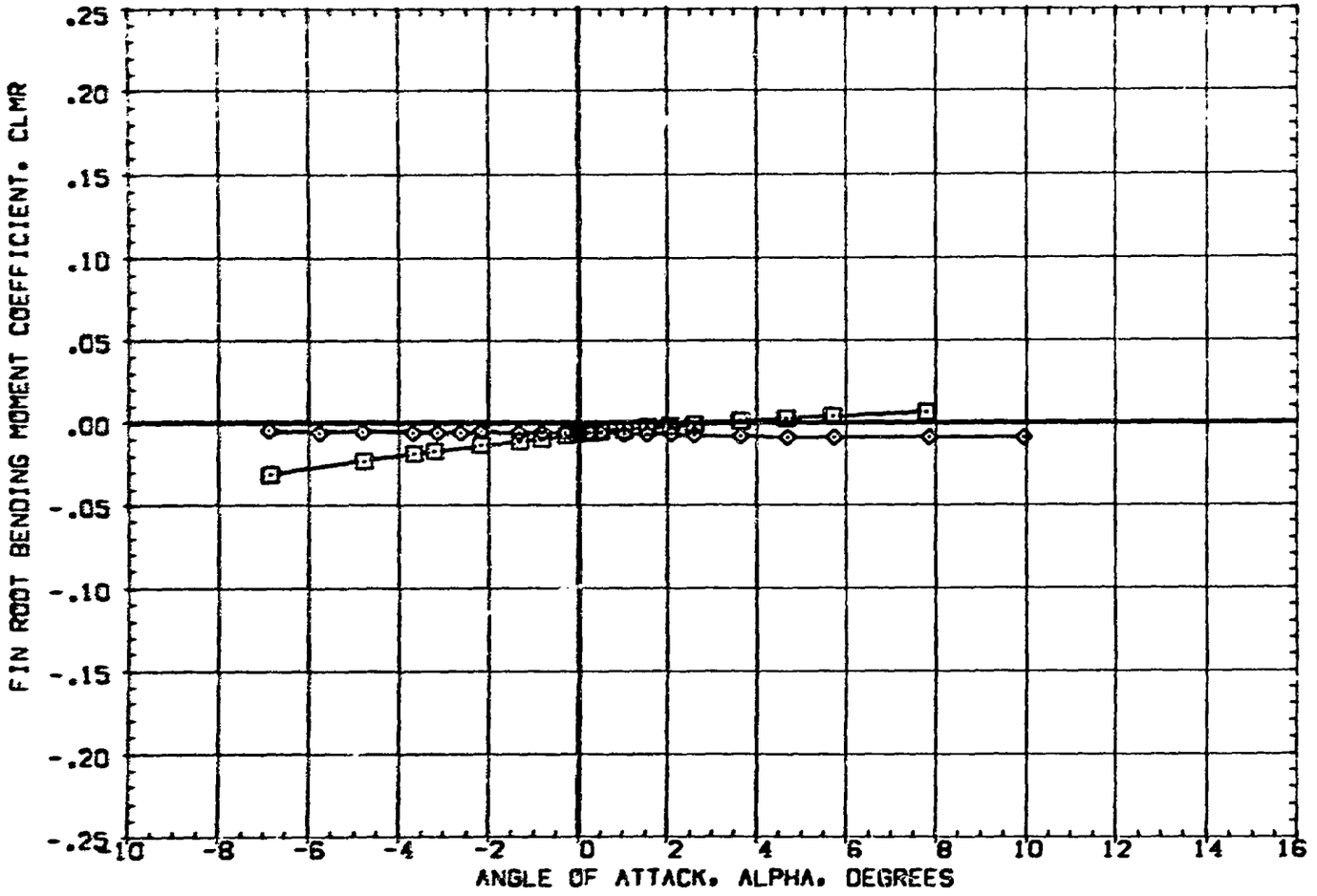


EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(H)MACH = 1.09

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	THETA	CR/D	FIN NO
(Cx3.06)	□	DATA NOT AVAILABLE	67.500	-10.000	1.750	4.000
(Cx3.17)	◇	AEDC TC 273 WRAPAROUND FIN, BIF	67.500	22.500	1.750	4.000
(Cx3.21)	⋈	AEDC TC 273 WRAPAROUND FIN, BIF	67.500	45.000	1.750	4.000
(Cx3.25)	⋈	DATA NOT AVAILABLE	67.500	90.000	1.750	4.000

REFERENCE INFORMATION		
SREF	10.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



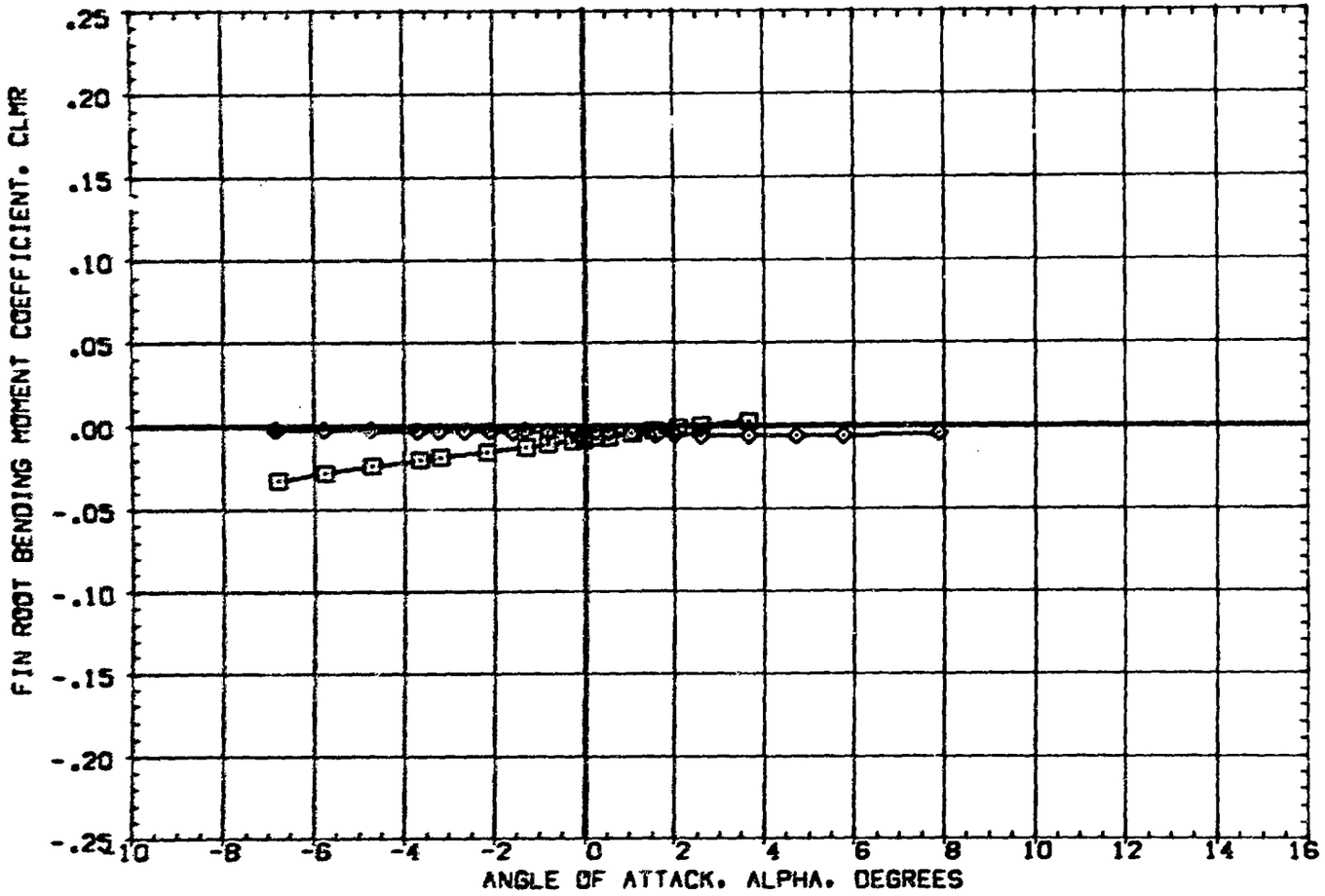
EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

(I)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[ ]X3.041		DATA NOT AVAILABLE
[ ]X3.173	◇	AEDC TC 273 WRAPAROUND FIN, B1F1
[ ]X3.213		AEDC TC 273 WRAPAROUND FIN, B1F1
[ ]X3.253		DATA NOT AVAILABLE

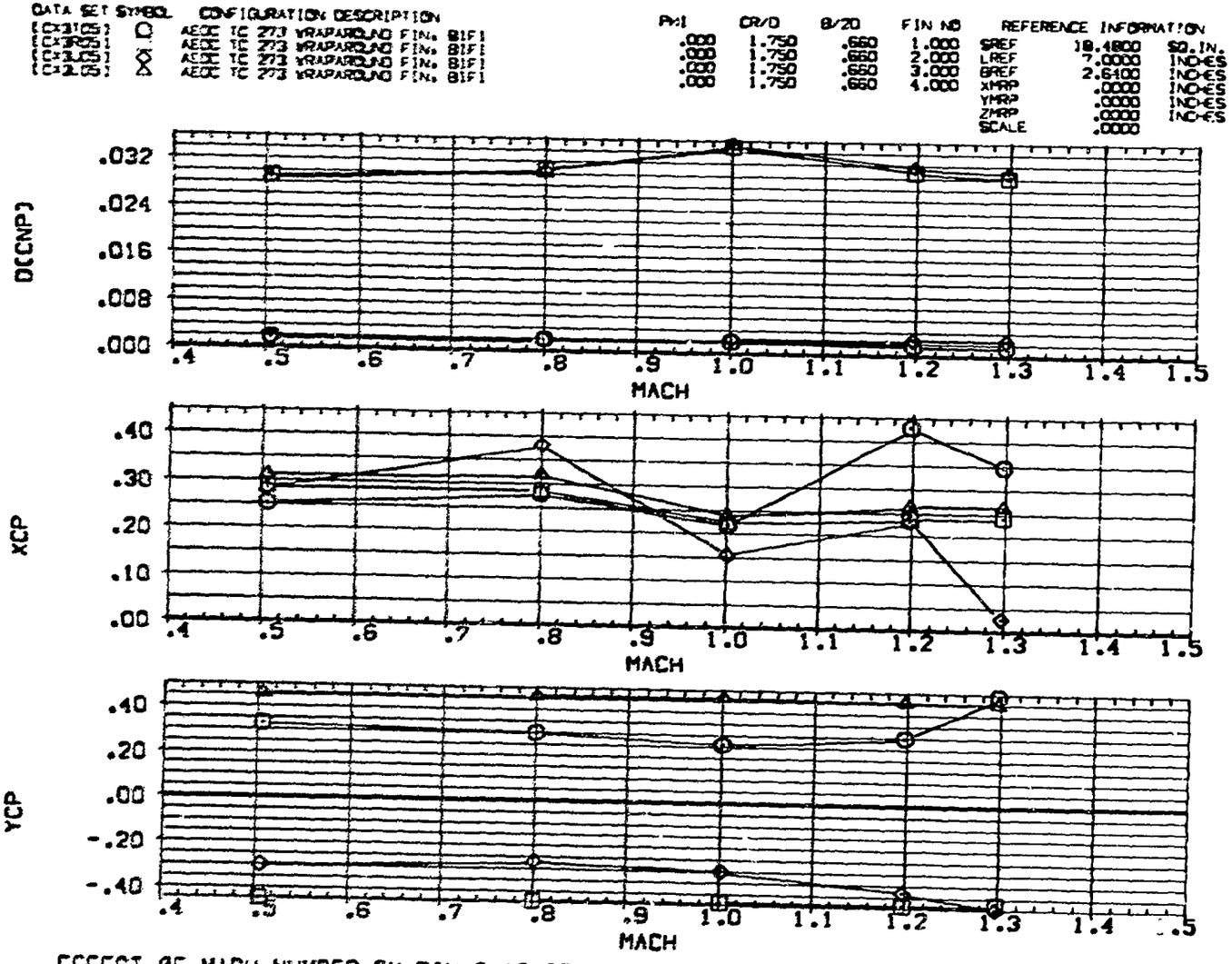
PHI	THETA	CR/D	FIN NO
87.5688	-10.0000	1.7500	4.0000
87.5688	22.5000	1.7500	4.0000
87.5688	45.0000	1.7500	4.0000
87.5688	90.0000	1.7500	4.0000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF OPENING ANGLE ON FIN ROOT BENDING MOMENT

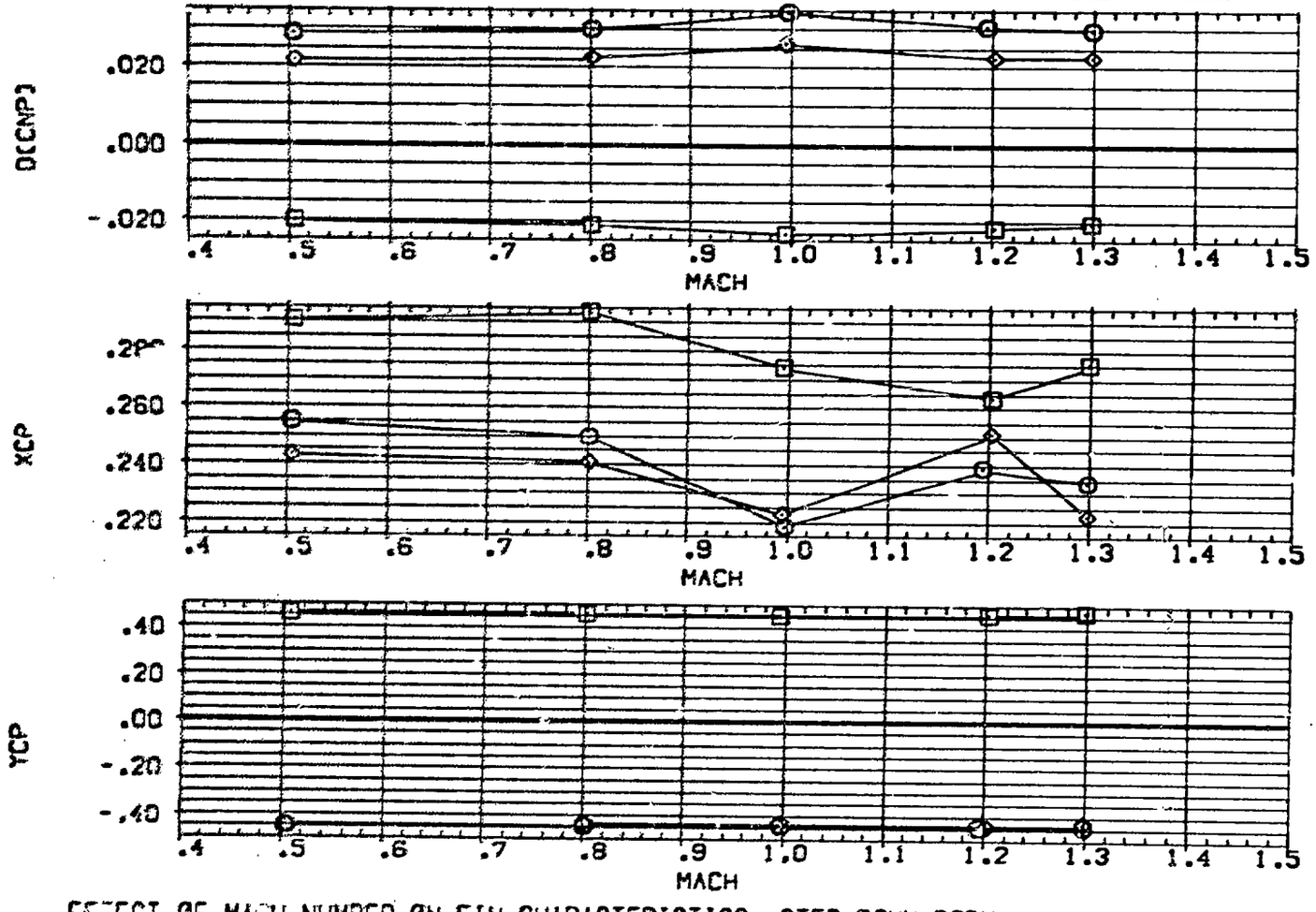
(J)MACH = 1.30



EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO
[illegible]		AEDC TC 273 WRAPAROUND FIN, 82F1	.000	1.750	.660	2.000
[illegible]		AEDC TC 273 WRAPAROUND FIN, 82F1	45.000	1.750	.660	1.000
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN, 82F1	45.000	1.750	.660	2.000

REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	

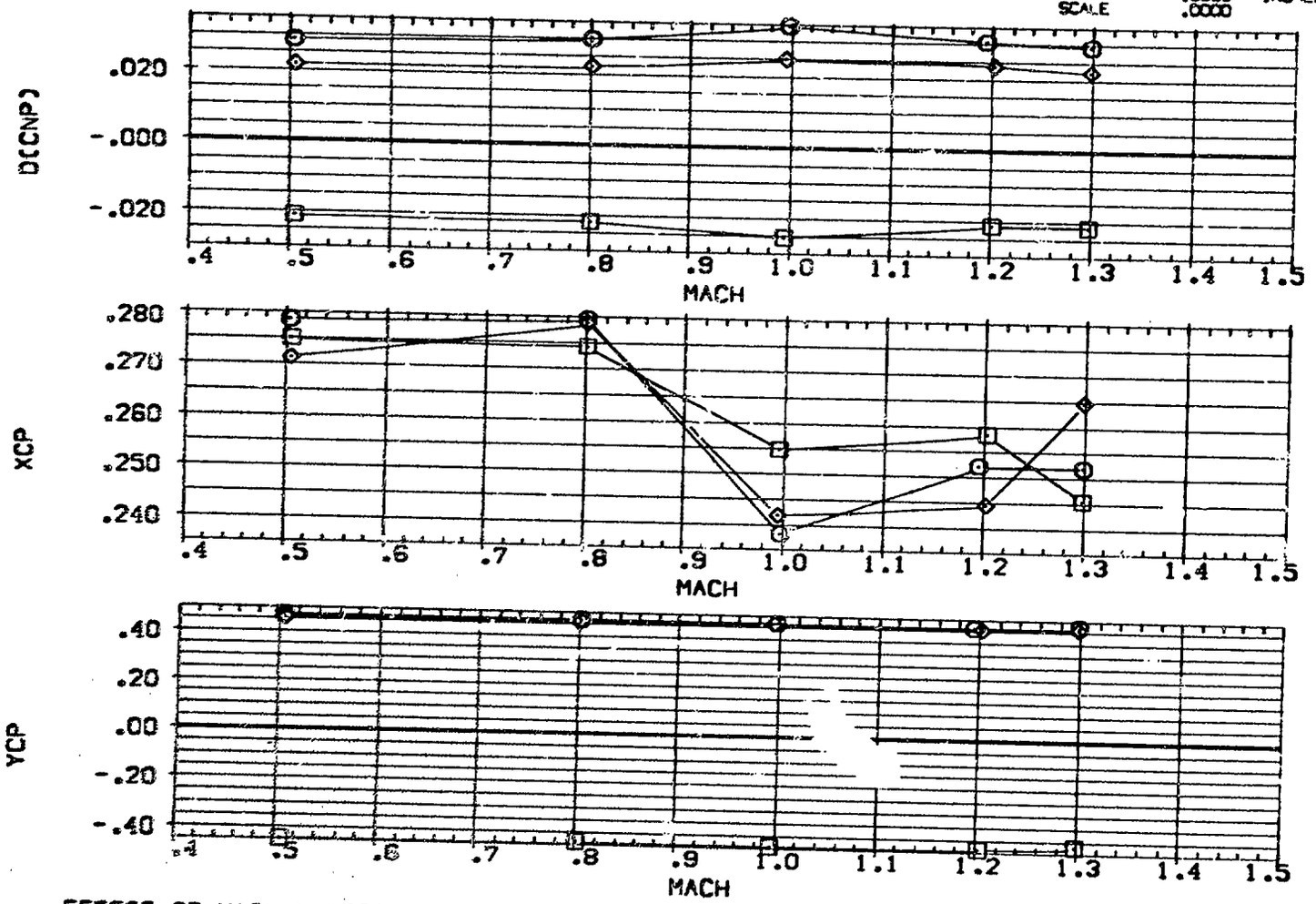


EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS, STEP DOWN BODY

DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(CX3L30)	○	AEDC TC 273 WRAPAROUND FIN, B2F1
(CX3L31)	□	AEDC TC 273 WRAPAROUND FIN, B2F1
(CX3L31)	◇	AEDC TC 273 WRAPAROUND FIN, B2F1

PHI	CR/D	B/2D	FIN NO
.000	1.750	.660	4.000
45.000	1.750	.660	3.000
45.000	1.750	.660	4.000

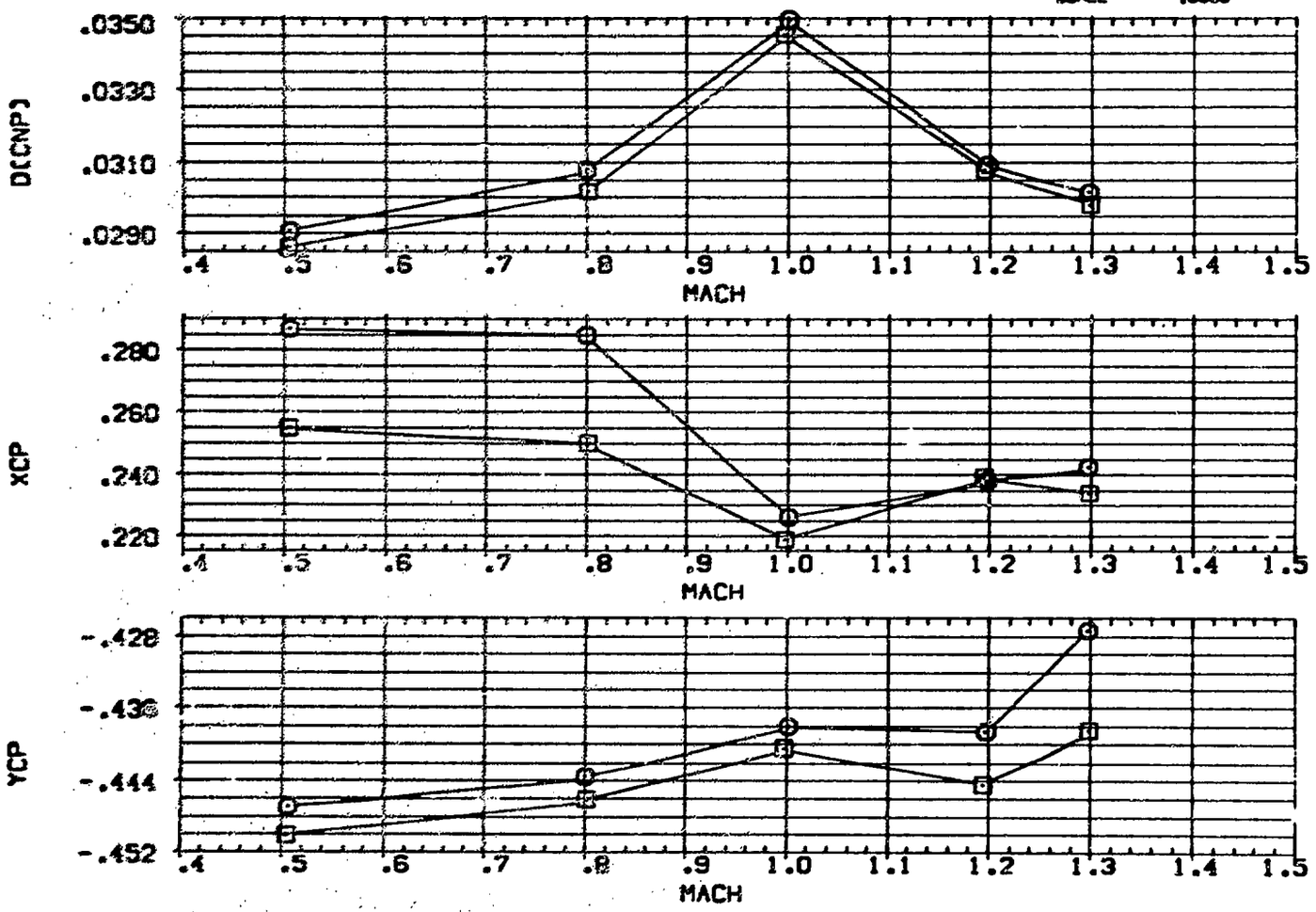
REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS, STEP DOWN BODY

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO
[illegible]	AEDC TC 273 WRAPAROUND FIN, BIF1	.000	1.750	.660	2.000
[illegible]	AEDC TC 273 WRAPAROUND FIN, BOF1	.000	1.750	.660	2.000

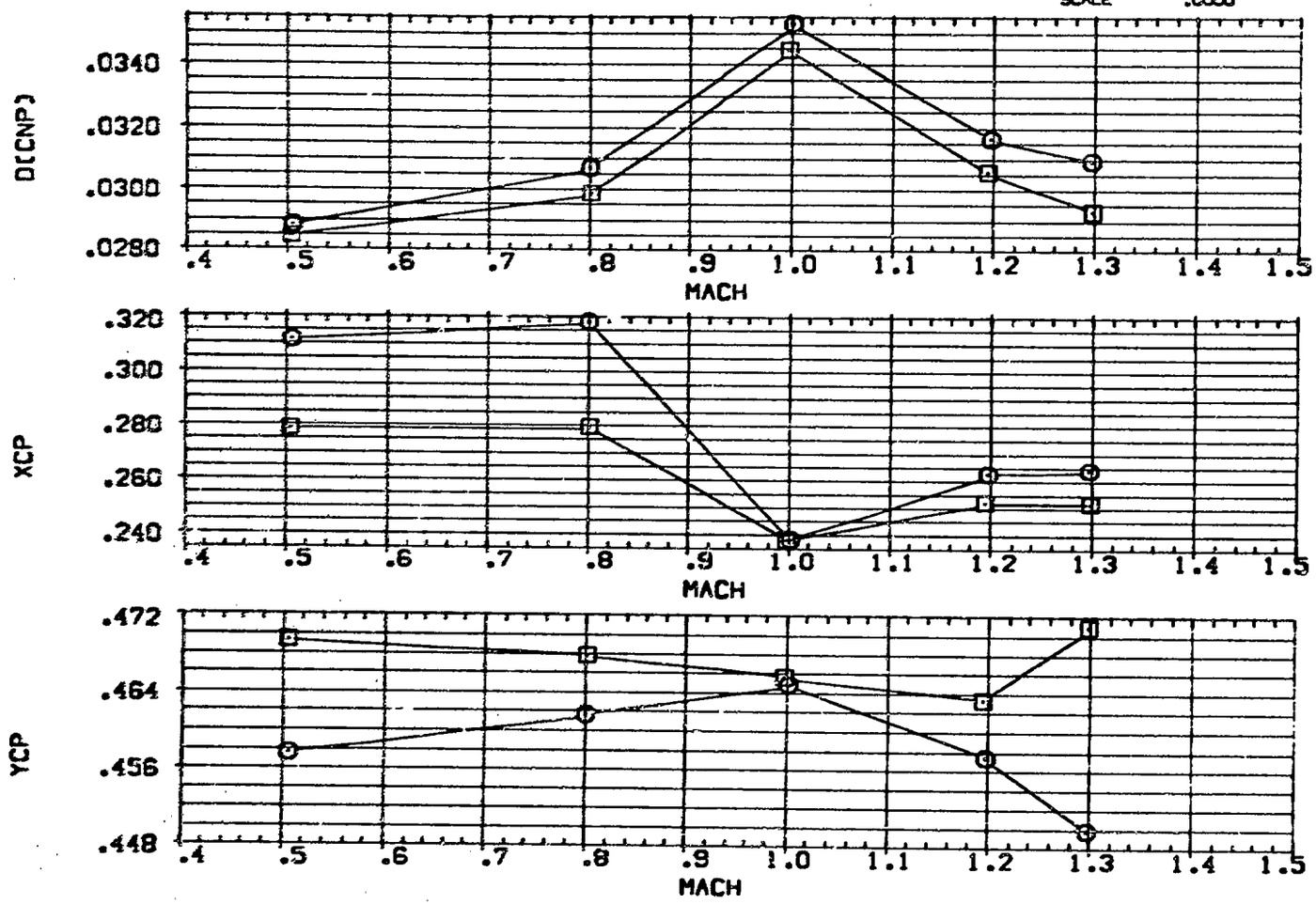
REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF STEP DOWN BODY ON FIN CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO
[D=3.05] □	AEDC TC 273 WRAPAROUND FIN, B1F1	.000	1.750	.660	4.000
[D=3.30] □	AEDC TC 273 WRAPAROUND FIN, B2F1	.000	1.750	.660	4.000

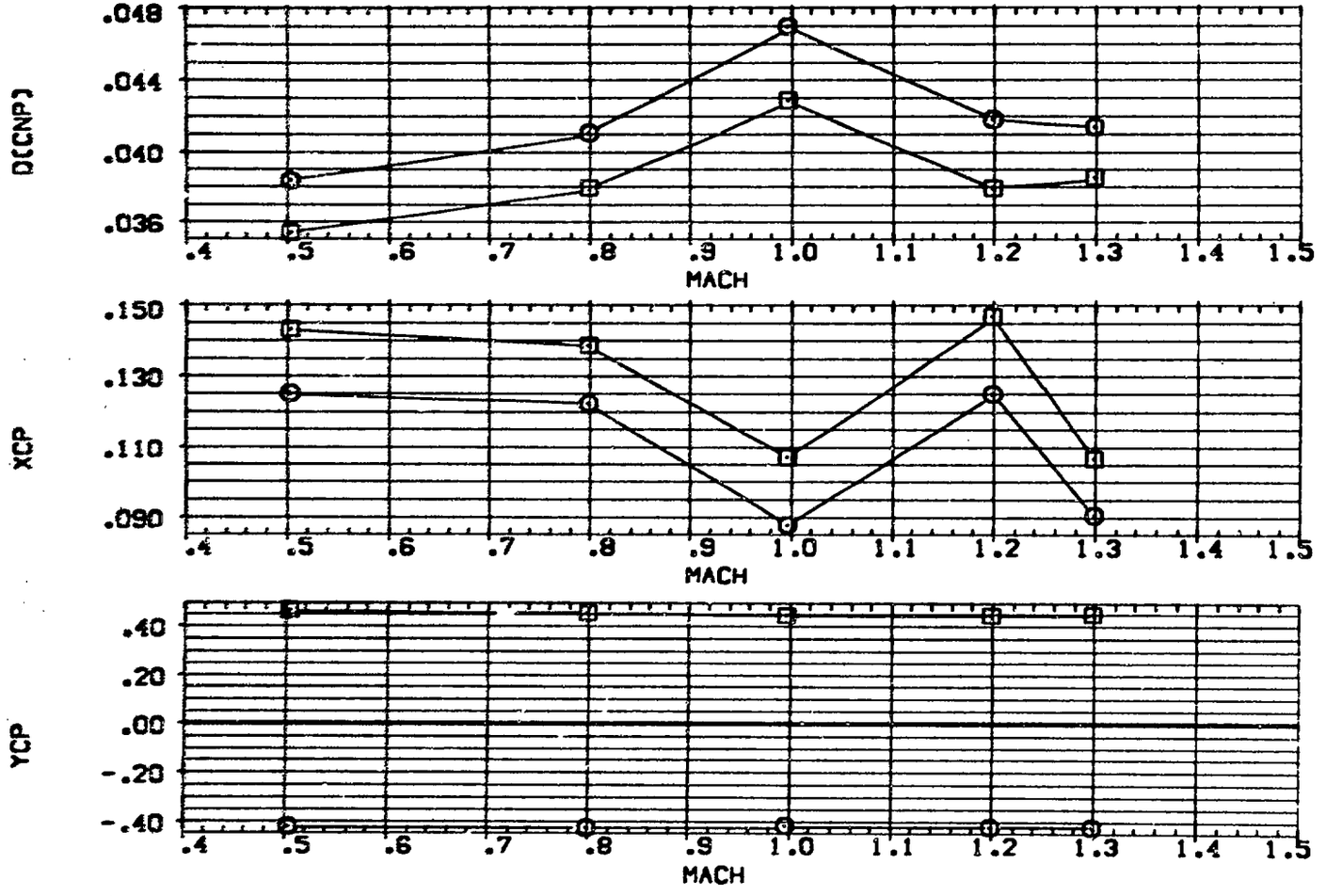
REFERENCE INFORMATION		
SREF	18.4800	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6400	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF STEP DOWN BODY ON FIN CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/0	B/2D	FIN NO
[CX3.06]	AEDC TC 273 WRAPAROUND FIN BIF14	.000	1.750	.660	2.000
[CX3.06]	AEDC TC 273 WRAPAROUND FIN BIF14	.000	1.750	.660	4.000

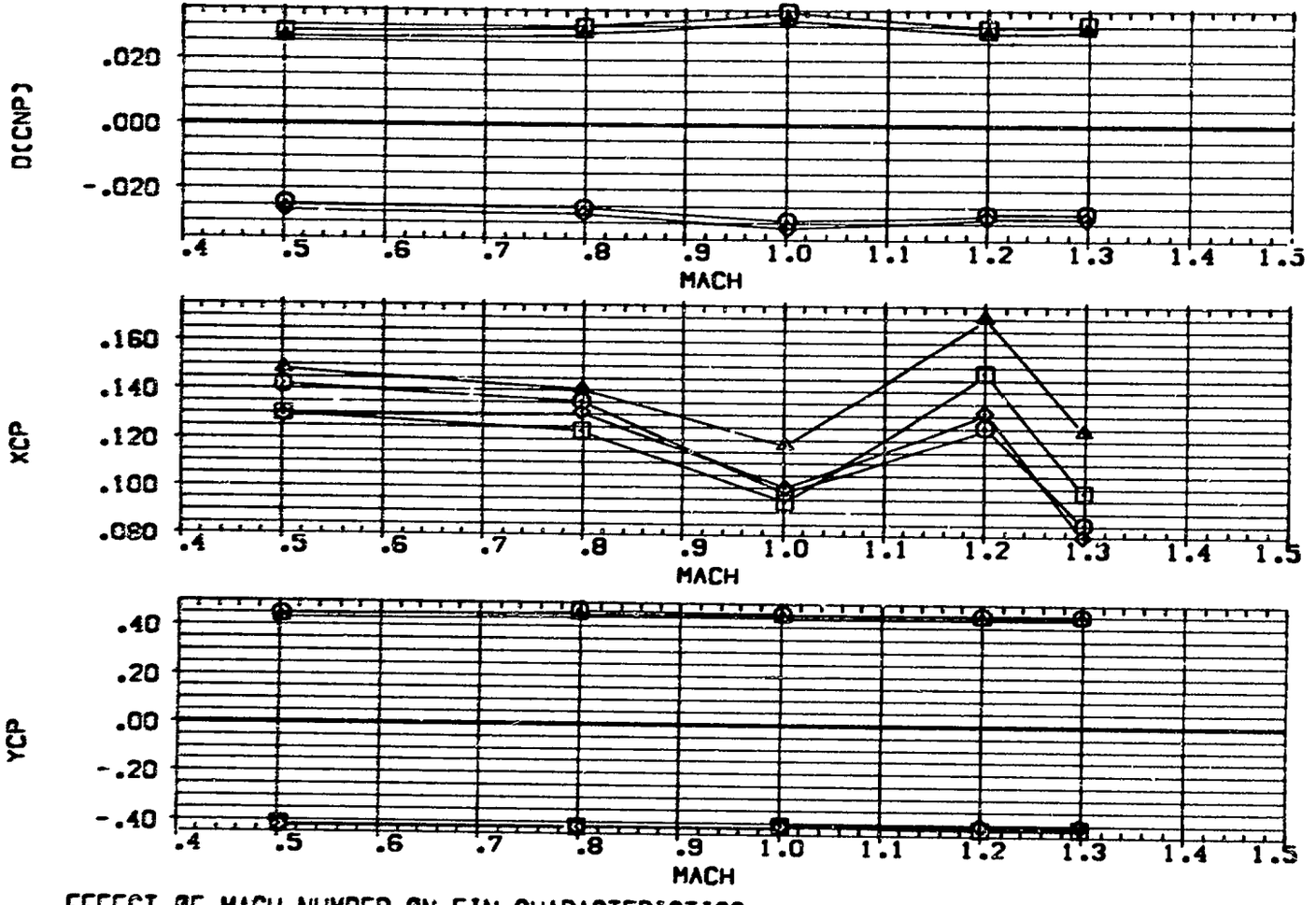
REFERENCE INFORMATION		
SREF	14.7300	SQ. IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS

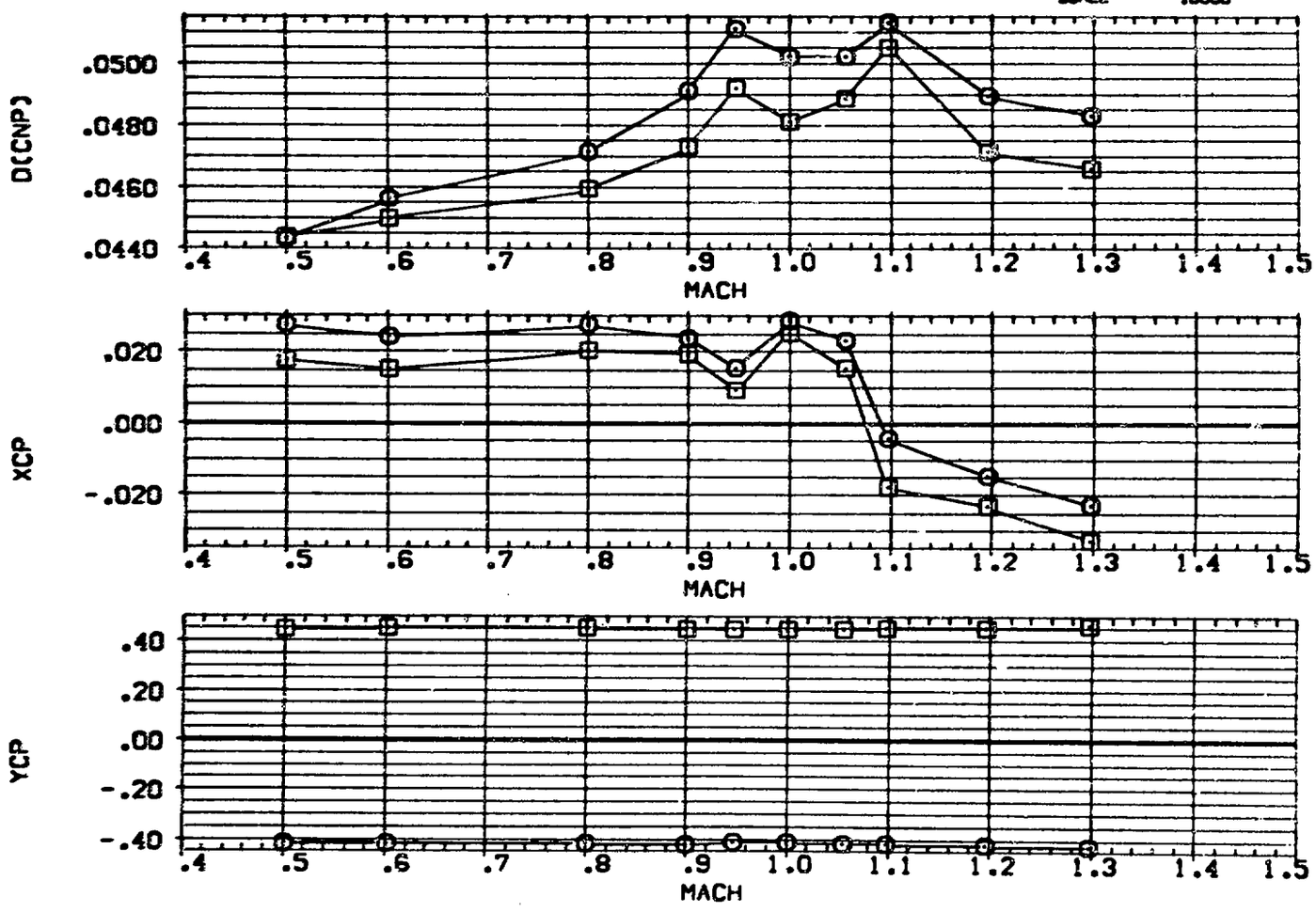
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO
[CX3T07]	□	AEDC TC 273 WRAPAROUND FIN B1F14	45.000	1.750	.660	1.000
[CX3R07]	◇	AEDC TC 273 WRAPAROUND FIN B1F14	45.000	1.750	.660	2.000
[CX3L07]	△	AEDC TC 273 WRAPAROUND FIN B1F14	45.000	1.750	.660	3.000
[CX3L07]	⋈	AEDC TC 273 WRAPAROUND FIN B1F14	45.000	1.750	.660	4.000

REFERENCE INFORMATION		
SREF	14.7300	SQ.IN.
LREF	7.2000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS

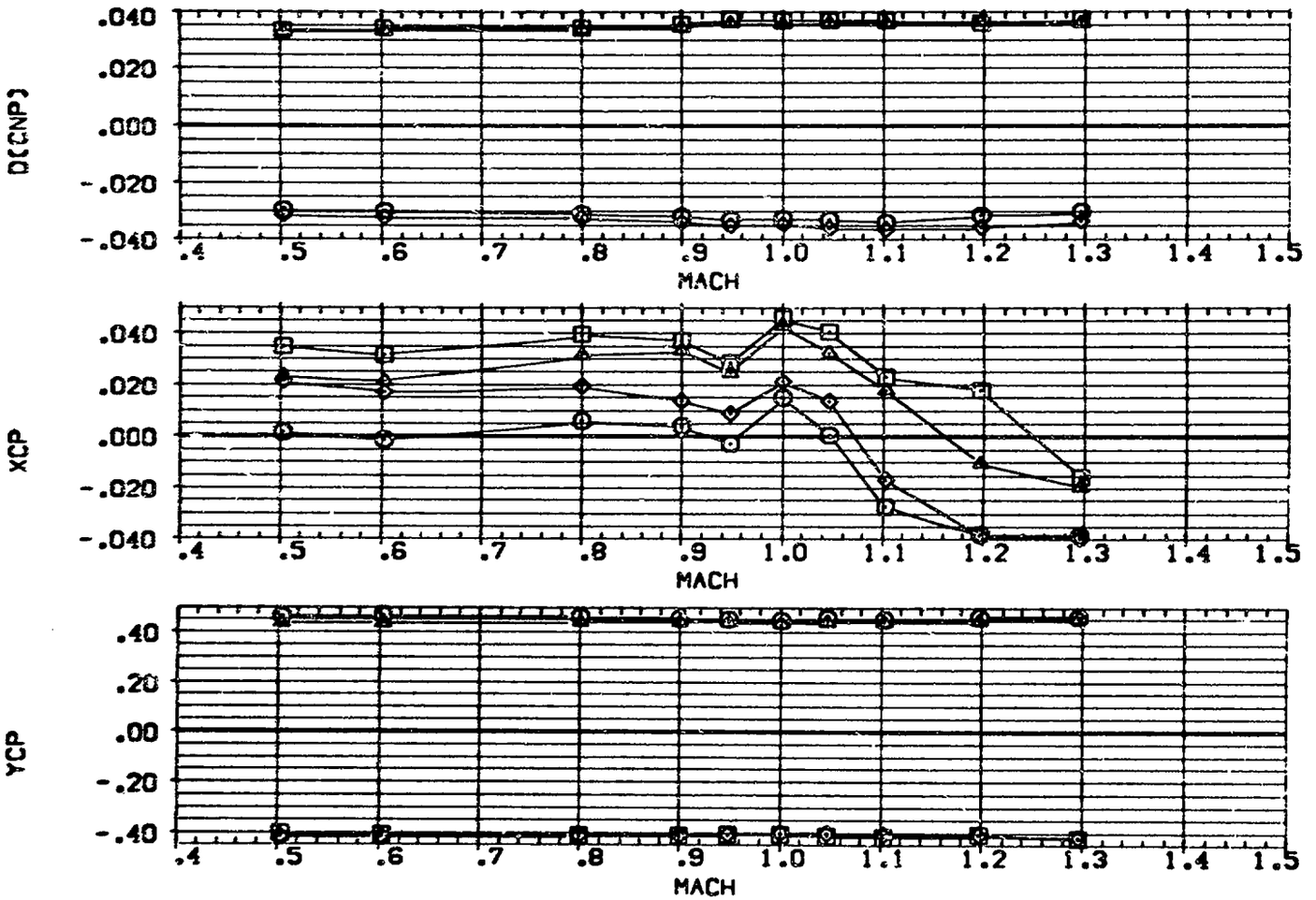
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO	REFERENCE INFORMATION		
[illegible]	AEDC TC 273 WRAPAROUND FIN BIF17	.000	1.750	.680	2.000	SREF	12.5100	SQ.IN.
[illegible]	AEDC TC 273 WRAPAROUND FIN BIF17	.000	1.750	.680	4.000	LREF	7.0000	INCHES
						BREF	2.6300	INCHES
						XMRP	.0000	INCHES
						YMRP	.0000	INCHES
						ZMRP	.0000	INCHES
						SCALE	.0000	



EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO
[CX3TC9]	□	AEDC TC 273 WRAPAROUND FIN BIF17	45.000	1.750	.660	1.000
[CX3RC9]	◇	AEDC TC 273 WRAPAROUND FIN BIF17	45.000	1.750	.660	2.000
[CX3LC9]	△	AEDC TC 273 WRAPAROUND FIN BIF17	45.000	1.750	.660	3.000
[CX3LC9]	⊗	AEDC TC 273 WRAPAROUND FIN BIF17	45.000	1.750	.660	4.000

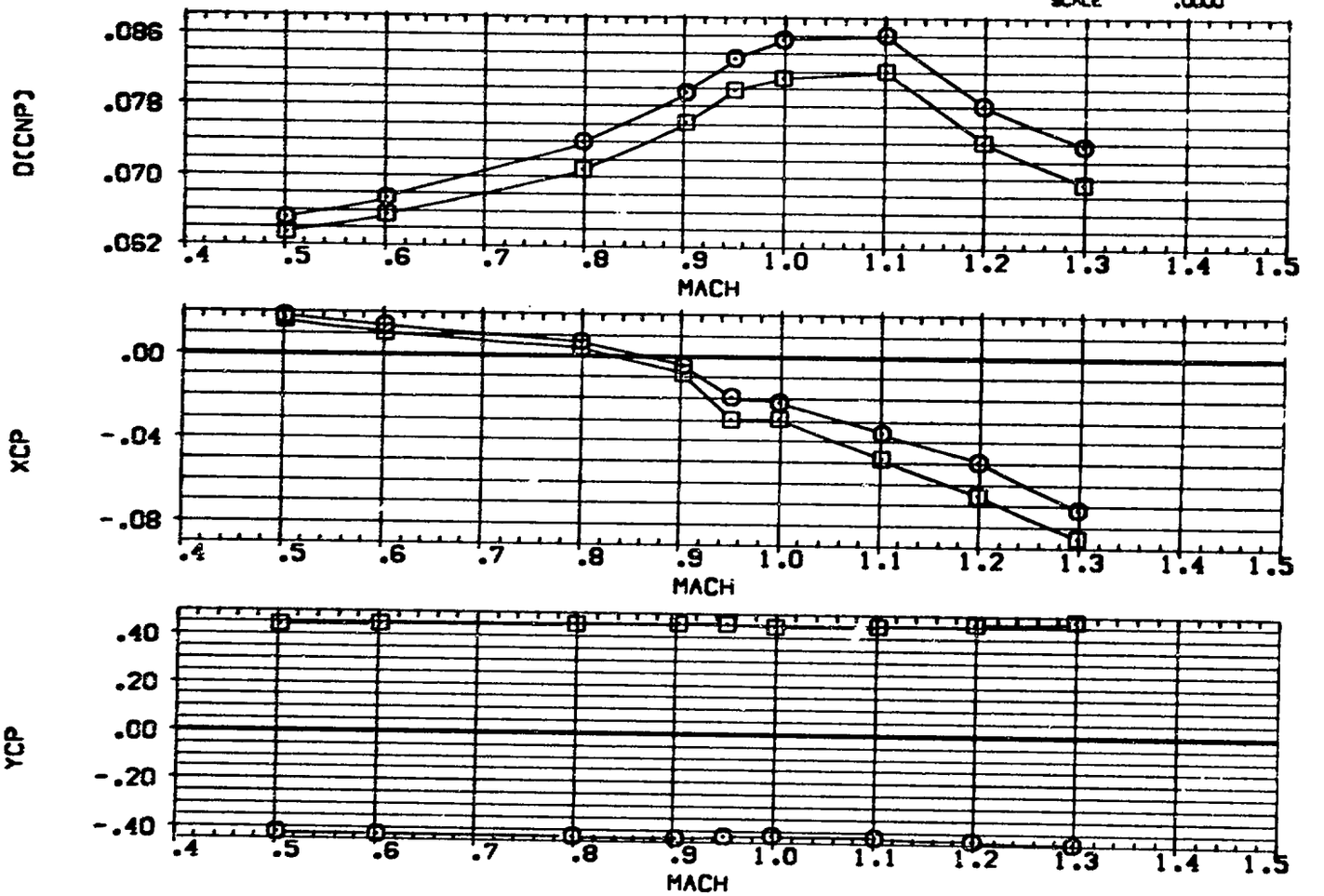
REFERENCE INFORMATION		
SREF	12.5100	SQ.IN.
LREF	7.0000	INCHES
BREF	2.6300	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO
(VX3R10)	○	AEDC TC 273 VRAPAROUND FIN B1F1B	.700	1.000	.650	2.000
(VX3L10)	□	AEDC TC 273 VRAPAROUND FIN B1F1B	.000	1.000	.650	4.000

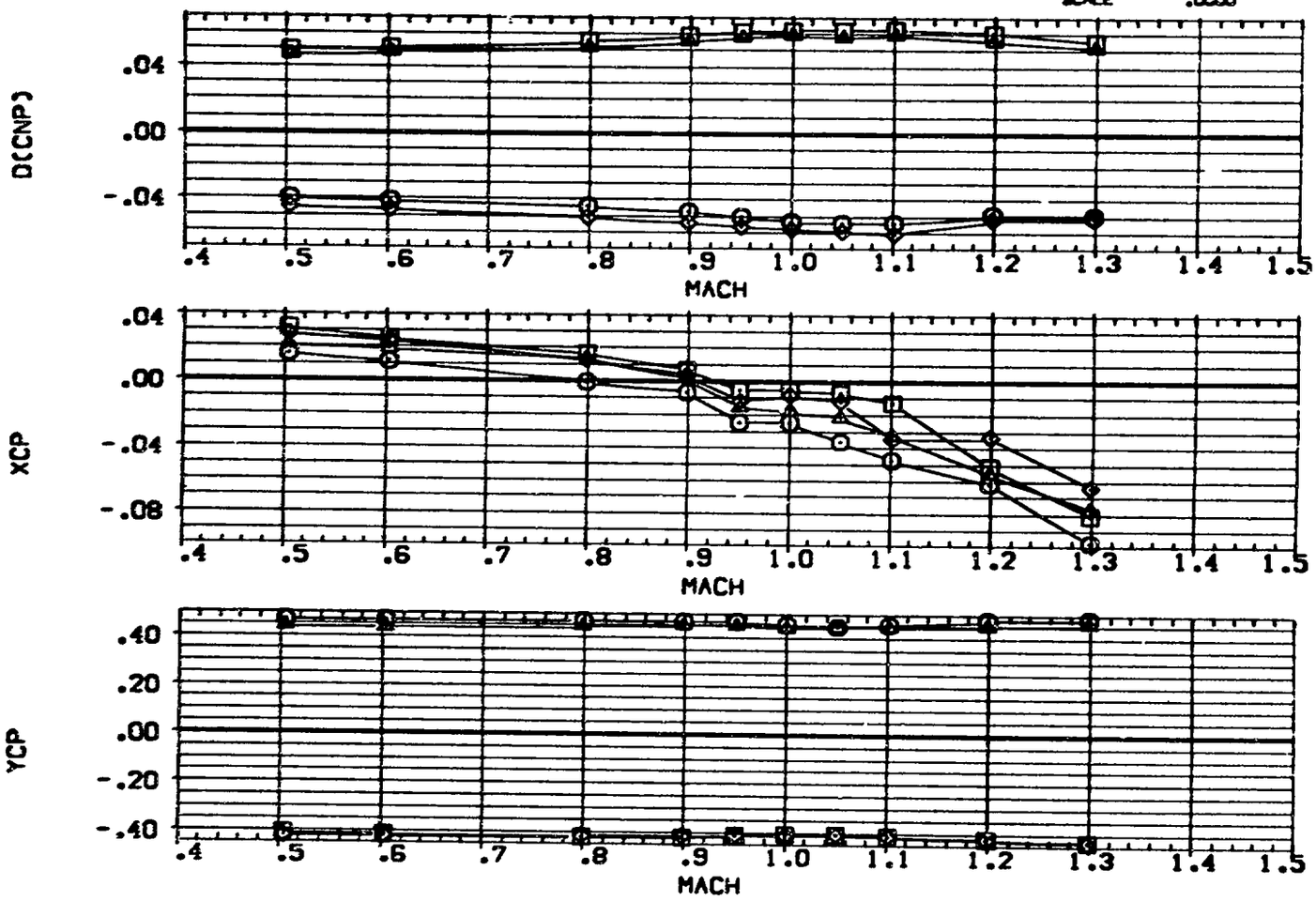
REFERENCE INFORMATION		
SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



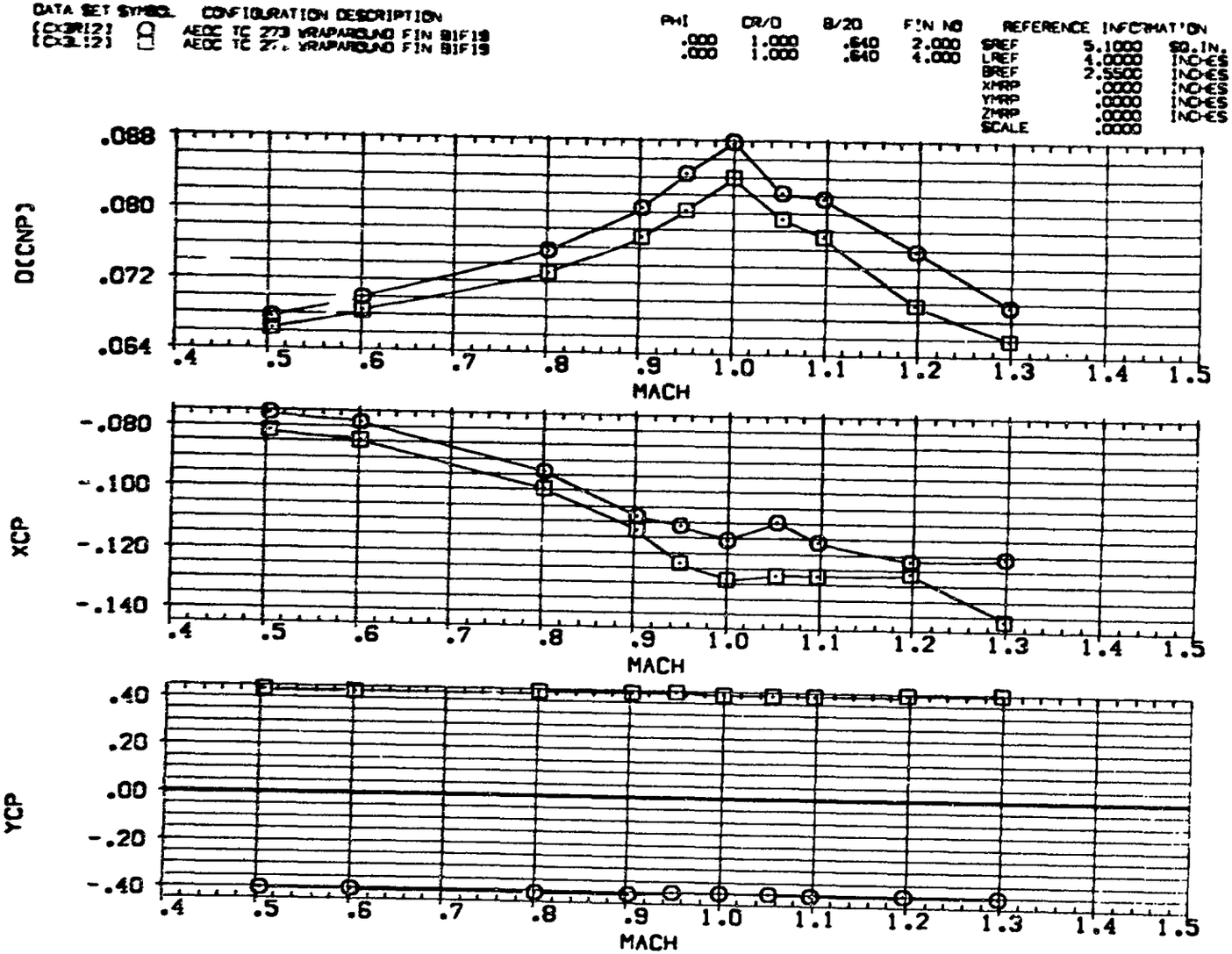
EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO
[illegible]	○	AEDC TC 273 WRAPAROUND FIN B1F1B	45.000	1.000	.650	1.000
[illegible]	□	AEDC TC 273 WRAPAROUND FIN B1F1B	45.000	1.000	.650	2.000
[illegible]	△	AEDC TC 273 WRAPAROUND FIN B1F1B	45.000	1.000	.650	3.000
[illegible]	◇	AEDC TC 273 WRAPAROUND FIN B1F1B	45.000	1.000	.650	4.000

REFERENCE INFORMATION		
SREF	6.9200	SQ.IN.
LREF	4.0000	INCHES
BREF	2.6100	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



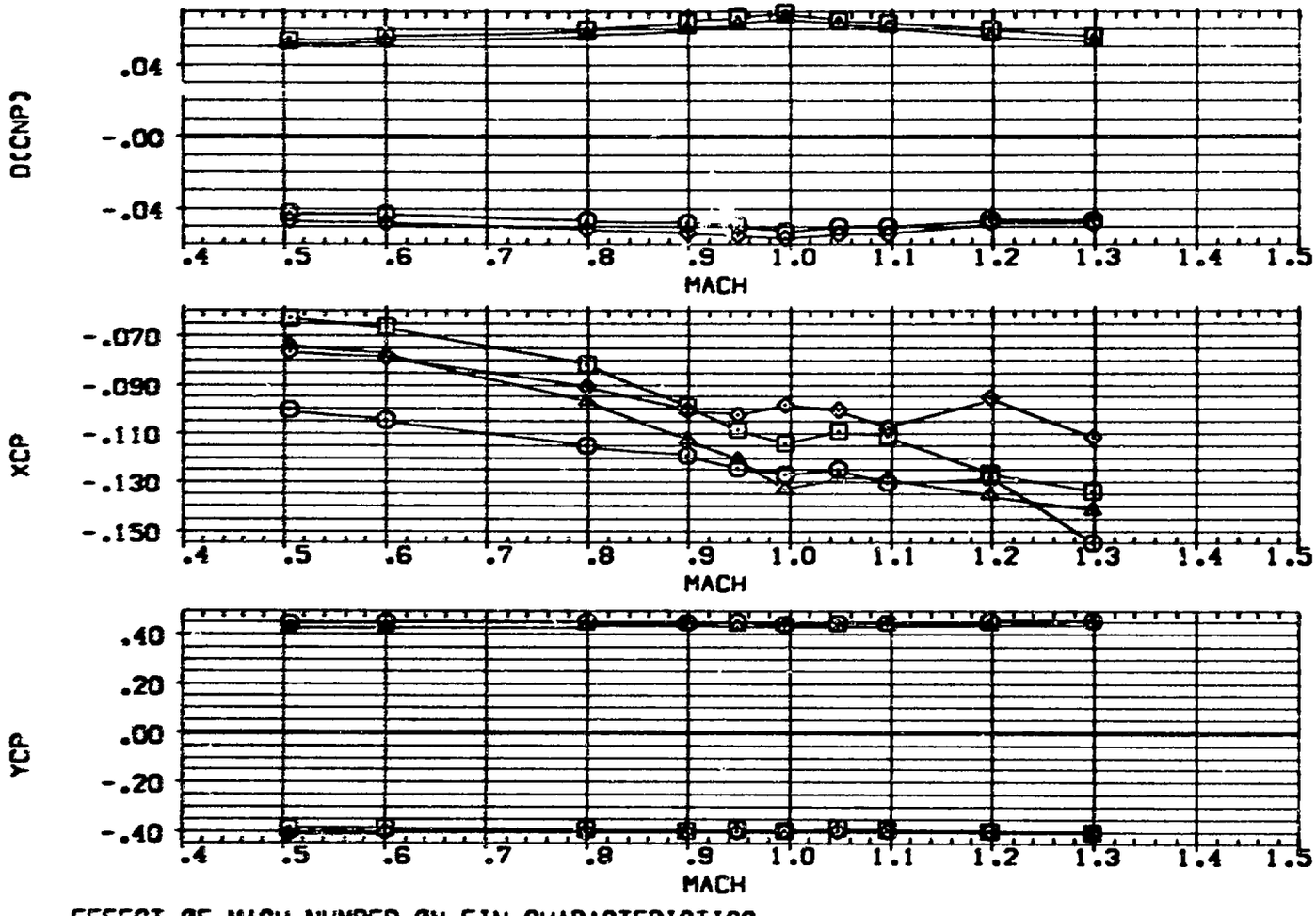
EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS



EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	CR/D	B/2D	FIN NO
[0X3T13]	□	AEDC TC 273 WRAPAROUND FIN BIF19	45.000	1.000	.640	1.000
[0X3R13]	◇	AEDC TC 273 WRAPAROUND FIN BIF19	45.000	1.000	.640	2.000
[0X2U13]	○	AEDC TC 273 WRAPAROUND FIN BIF19	45.000	1.000	.640	3.000
[0X3L13]	⋈	AEDC TC 273 WRAPAROUND FIN BIF19	45.000	1.000	.640	4.000

REFERENCE INFORMATION		
SREF	5.1000	SQ.IN.
LREF	4.0000	INCHES
BREF	2.5500	INCHES
XMRP	.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0000	



EFFECT OF MACH NUMBER ON FIN CHARACTERISTICS